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OM protein - protein search, using sw model

Run on: June 5, 2003, 14:11:37 ; Search time 18 Seconds  
(without alignments)  
1070.667 Million cell updates/sec

Title: US-10-041-574-2  
Perfect score: 3456  
Sequence: 1 MGTSPSSSTALASCSRIARR.....SQEASQVLLDSVYSHLPDLL 655

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA: \*  
1: /cgn2\_6/ptodata/1/1aa/5A-COMB.pep: \*  
2: /cgn2\_6/ptodata/1/1aa/5B-COMB.pep: \*  
3: /cgn2\_6/ptodata/1/1aa/6A-COMB.pep: \*  
4: /cgn2\_6/ptodata/1/1aa/6B-COMB.pep: \*  
5: /cgn2\_6/ptodata/1/1aa/PCTUS-COMB.pep: \*  
6: /cgn2\_6/ptodata/1/1aa/backfiles1.pep: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3456	100.0	655	4	US-09-527-236A-2
2	3450	99.8	655	3	US-08-959-382-2
3	2892	83.7	605	4	US-09-042-785A-23
4	2723	78.8	573	4	US-09-042-785A-2
5	1359	39.3	253	4	US-09-042-785A-4
6	841	24.3	147	4	US-09-527-236A-19
7	673	19.5	125	3	US-08-959-382-4
8	431	12.5	84	4	US-09-042-785A-30
9	431	12.5	84	4	US-09-042-785A-31
10	352	10.2	67	4	US-09-527-236A-21
11	343.5	9.9	461	1	US-08-385-229-2
12	343.5	9.9	461	2	US-08-650-000-2
13	343.5	9.9	461	4	US-09-042-785A-7
14	343.5	9.9	461	4	US-08-477-347-3
15	343.5	9.9	461	4	US-09-006-353A-4
16	343.5	9.9	461	4	US-08-476-862-2
17	343.5	9.9	461	4	US-09-573-986-4
18	343.5	9.9	461	6	5393760-2
19	312.5	9.0	518	1	US-08-385-229-4
20	306.5	8.9	235	4	US-09-326-394-4
21	306.5	8.9	235	4	US-09-580-235-2
22	306.5	8.9	235	4	US-09-580-235-8
23	306.5	8.9	235	4	US-09-580-181-2
24	306.5	8.9	235	4	US-09-580-181-8
25	306.5	8.9	235	4	US-09-102-530-2
26	306.5	8.9	235	4	US-09-102-530-8
27	305.5	8.8	235	4	US-09-580-235-4

28	305.5	8.8	235	4	US-09-580-235-6	Sequence 6, Appl1
29	305.5	8.8	235	4	US-09-580-181-4	Sequence 4, Appl1
30	305.5	8.8	235	4	US-09-580-181-6	Sequence 6, Appl1
31	305.5	8.8	235	4	US-09-102-530-4	Sequence 4, Appl1
32	305.5	8.8	235	4	US-09-102-530-6	Sequence 6, Appl1
33	304.5	8.8	401	3	US-08-974-022-2	Sequence 2, Appl1
34	304.5	8.8	401	4	US-08-795-445A-2	Sequence 2, Appl1
35	304.5	8.8	401	4	US-08-795-447A-2	Sequence 2, Appl1
36	304.5	8.8	401	4	US-08-974-186-2	Sequence 2, Appl1
37	304.5	8.8	401	4	US-08-795-446B-2	Sequence 12, App
38	304.5	8.8	401	4	US-08-706-945D-124	Sequence 12, App
39	304.5	8.8	486	1	US-08-243-010-1	Sequence 1, Appl1
40	302.5	8.8	401	3	US-08-974-022-6	Sequence 6, Appl1
41	302.5	8.8	401	4	US-09-042-785A-12	Sequence 12, Appl
42	302.5	8.8	401	4	US-08-795-445A-6	Sequence 6, Appl1
43	302.5	8.8	401	4	US-08-795-447A-6	Sequence 6, Appl1
44	302.5	8.8	401	4	US-08-974-186-6	Sequence 6, Appl1
45	302.5	8.8	401	4	US-08-795-446B-6	Sequence 6, Appl1

ALIGNMENTS

RESULT 1  
US-09-527-236A-2  
; Sequence 2, Application US/09527236A  
; Patent No. 6358508  
; GENERAL INFORMATION:  
; APPLICANT: NI, Jian  
; APPLICANT: Yu, Guo-Liang  
; APPLICANT: Fan, Ping  
; APPLICANT: Gentz, Reiner L.  
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR9  
; FILE REFERENCE: PF375PI  
; CURRENT APPLICATION NUMBER: US/09527,236A  
; PRIOR FILING DATE: 2000-03-16  
; PRIOR APPLICATION NUMBER: 60/052,991  
; PRIOR FILING DATE: 1997-06-11  
; PRIOR APPLICATION NUMBER: 09/095,094  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/126,019  
; PRIOR FILING DATE: 1999-03-24  
; PRIOR APPLICATION NUMBER: 60/134,220  
; PRIOR FILING DATE: 1999-05-14  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 655  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-527-236A-2

Query Match	100.0%;	Score	3456;	DB	4;	Length	655;
Best Local Similarity	100.0%;	Pred. No.	1.8e-296;				
Matches	655;	Conservative	0;	Mismatches	0;	Indels	0;
Gaps	0;						
QY	1	MGTSPSSSTALASCSRIARRATATMIAGSLLLGLFSLTTTAQPEQKASNLIGTYRHVDRA	60				
Db	1	MGTSPSSSTALASCSRIARRATATMIAGSLLLGLFSLTTTAQPEQKASNLIGTYRHVDRA	60				
QY	61	TGQVLTCDKCPAGTYVSEHCTNTSLRVCSQCPVGTFTTRHENGIEKHCDCSQCPWPMEIK	120				
Db	61	TGQVLTCDKCPAGTYVSEHCTNTSLRVCSQCPVGTFTTRHENGIEKHCDCSQCPWPMEIK	120				
QY	121	LPCAALTDRECTPPGFMFSQSNATCAPHTVCPGVMGVRKKGTEDEVRCOCARGTSDVP	180				
Db	121	LPCAALTDRECTPPGFMFSQSNATCAPHTVCPGVMGVRKKGTEDEVRCOCARGTSDVP	180				
QY	181	SSVMKCKAYTDCLSQNLVWKPGTKETDNVCGTLPSPSSSTSPSGTATFPPPEHMETHE	240				
Db	181	SSVMKCKAYTDCLSQNLVWKPGTKETDNVCGTLPSPSSSTSPSGTATFPPPEHMETHE	240				
QY	241	VPSSSTVYVPGKGMNTESSASVRPKVLSIQEGTVPDNTSSARGKEDVNKTLNQLQVNH	300				

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Db 241 VPSSTYVPKGMNSTESSASVRPKVLSSIQEGTVPDNTSSARGKEDVNTLPNLQVNH 300
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Db 301 QOGPHRHILKLLPSMEATGEGKSSSTPIKPKRGHPRQNLKHKFDINEHLPWMLVFLLL 360
Qy 361 VLVIIVVCSIRKSSRTLLKGRQDPSAIVEKAGLKKSMPTQNRKWIYCNHGHIDILK 420
Db 361 VLVIIVVCSIRKSSRTLLKGRQDPSAIVEKAGLKKSMPTQNRKWIYCNHGHIDILK 420
Qy 421 LVAAQVGSQWKDIYQFLCNASERVAAFNGYTAADHERAYAAALQHWIRGPEASLAQLIS 480
Db 421 LVAAQVGSQWKDIYQFLCNASERVAAFNGYTAADHERAYAAALQHWIRGPEASLAQLIS 480
Qy 481 ALROHRRNDVVEKIRGLMEDTTOLETKLALPMSPLSPSPSPNAKLENSALLTVEP 540
Db 481 ALROHRRNDVVEKIRGLMEDTTOLETKLALPMSPLSPSPSPNAKLENSALLTVEP 540
Qy 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRLNGSFITKEKDTVLRLQVRLDPCDLQPIF 600
Db 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRLNGSFITKEKDTVLRLQVRLDPCDLQPIF 600
Qy 601 DDMLHFLNPEELRVIEEIPQAEKDLRLFEIIGVKSOEASQTLDSVYSHLPDLL 655
Db 601 DDMLHFLNPEELRVIEEIPQAEKDLRLFEIIGVKSOEASQTLDSVYSHLPDLL 655

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RESULT 2

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US-08-959-382-2
; Sequence 2, Application US/08959382
; Patent No. 6013476
; GENERAL INFORMATION:
; APPLICANT: DEEN, KEITH
; APPLICANT: HURLE, MARK
; APPLICANT: YOUNG, PETER
; APPLICANT: TAN, K.B.
; TITLE OF INVENTION: Tumor Necrosis Related Receptor,
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: RATNER & PRESTIA
; STREET: P.O. BOX 980
; CITY: VALLEY FORGE
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/959,382
; FILING DATE: 28-OCT-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/041,796
; FILING DATE: 02-APR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: PRESTIA, PAUL F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GH-50017
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0701
; TELEX: 846169
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 655 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear

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; MOLECULE TYPE: protein
; US-08-959-382-2
Query Match 99.88; Score 3450; DB 3; Length 655;
Best Local Similarity 99.88; Pred. No. 6.2e-298;
Matches 654; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 MGTSPSSSTALASCRIARRATATMTAGSLLLAGFLSTTTTAQPEQKASNLIGTYRHVDRA 60
Db 1 MGTSPSSSTALASCRIARRATATMTAGSLLLAGFLSTTTTAQPEQKASNLIGTYRHVDRA 60
Qy 61 TGOVLTCDCPKAGTYYVSEHCTNTSLRVCSGPCVGTFRHENGIEKCHDCSQCPWPWMIK 120
Db 61 TGOVLTCDCPKAGTYYVSEHCTNTSLRVCSGPCVGTFRHENGIEKCHDCSQCPWPWMIK 120
Qy 121 LPCAALTDRCTCPGPFQSNATCAPHTVCPVGWGVKKGTEDETVRCQKARGTSDVP 180
Db 121 LPCAALTDRCTCPGPFQSNATCAPHTVCPVGWGVKKGTEDETVRCQKARGTSDVP 180
Qy 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSSTSPGCTAIFPRPEHMETHE 240
Db 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSSTSPGCTAIFPRPEHMETHE 240
Qy 241 VPSSTYVPKGMNSTESSASVRPKVLSSIQEGTVPDNTSSARGKEDVNTLPNLQVNH 300
Db 241 VPSSTYVPKGMNSTESSASVRPKVLSSIQEGTVPDNTSSARGKEDVNTLPNLQVNH 300
Qy 301 QOGPHRHILKLLPSMEATGEGKSSSTPIKPKRGHPRQNLKHKFDINEHLPWMLVFLLL 360
Db 301 QOGPHRHILKLLPSMEATGEGKSSSTPIKPKRGHPRQNLKHKFDINEHLPWMLVFLLL 360
Qy 361 VLVIIVVCSIRKSSRTLLKGRQDPSAIVEKAGLKKSMPTQNRKWIYCNHGHIDILK 420
Db 361 VLVIIVVCSIRKSSRTLLKGRQDPSAIVEKAGLKKSMPTQNRKWIYCNHGHIDILK 420
Qy 421 LVAAQVGSQWKDIYQFLCNASERVAAFNGYTAADHERAYAAALQHWIRGPEASLAQLIS 480
Db 421 LVAAQVGSQWKDIYQFLCNASERVAAFNGYTAADHERAYAAALQHWIRGPEASLAQLIS 480
Qy 481 ALROHRRNDVVEKIRGLMEDTTOLETKLALPMSPLSPSPSPNAKLENSALLTVEP 540
Db 481 ALROHRRNDVVEKIRGLMEDTTOLETKLALPMSPLSPSPSPNAKLENSALLTVEP 540
Qy 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRLNGSFITKEKDTVLRLQVRLDPCDLQPIF 600
Db 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRLNGSFITKEKDTVLRLQVRLDPCDLQPIF 600
Qy 601 DDMLHFLNPEELRVIEEIPQAEKDLRLFEIIGVKSOEASQTLDSVYSHLPDLL 655
Db 601 DDMLHFLNPEELRVIEEIPQAEKDLRLFEIIGVKSOEASQTLDSVYSHLPDLL 655

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RESULT 3

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US-09-042-785A-23
; Sequence 23, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
; TITLE OF INVENTION: AND USES THEREFOR
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25

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;; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/042,785A  
; FILING DATE: 17-MAR-1998  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/938,896  
; FILING DATE: 26-SEP-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mandragouras, Amy E  
; REGISTRATION NUMBER: 36,207  
; REFERENCE/DOCKET NUMBER: MEI-001CP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617)227-7400  
; INFORMATION FOR SEQ ID NO: 23:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 605 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-09-042-785A-23

Query Match 83.7%; Score 2892; DB 4; Length 605;  
Best Local Similarity 100.0%; Pred. No. 2.2e-248; Mismatches 0; Indels 0; Gaps 0;  
Matches 544; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MGTSPSSSTALSCSRIARRATMTIAGSLLLGLFSLTTAQQEQKASNLIGTYRHVDRA 60  
Db 1 MGTSPSSSTALSCSRIARRATMTIAGSLLLGLFSLTTAQQEQKASNLIGTYRHVDRA 60  
QY 61 TQGVLCDCPKAGTYVSEHCTNTSLRVCSGPCVGTTRHENGIEKCHDCSQCPWPWIEK 120  
Db 61 TQGVLCDCPKAGTYVSEHCTNTSLRVCSGPCVGTTRHENGIEKCHDCSQCPWPWIEK 120  
QY 121 LPCAALTDRECTCPGCMFOSNATCAPHTVCPGVGVRKGTETEDVRCQKARGTSDVP 180  
Db 121 LPCAALTDRECTCPGCMFOSNATCAPHTVCPGVGVRKGTETEDVRCQKARGTSDVP 180  
QY 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNCVCGTLPFSFSSSTSPSGCTAIFPRPEHMETHE 240  
Db 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNCVCGTLPFSFSSSTSPSGCTAIFPRPEHMETHE 240  
QY 241 VPSSTYVPGMNSTESNSASVRPKVLSIQEGTVPDNTSSARGKEDVNTLPNLQVNH 300  
Db 241 VPSSTYVPGMNSTESNSASVRPKVLSIQEGTVPDNTSSARGKEDVNTLPNLQVNH 300  
QY 301 QGPHRHILKLLPSMEATGGKSTPIKGRGHPRQNLKHFDINEHLPWMIYVLFLL 360  
Db 301 QGPHRHILKLLPSMEATGGKSTPIKGRGHPRQNLKHFDINEHLPWMIYVLFLL 360  
QY 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNREKWIYCYNGHGIDILK 420  
Db 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNREKWIYCYNGHGIDILK 420  
QY 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTADHERAYAAALQHWITIRGPEASLAQLIS 480  
Db 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNGYTADHERAYAAALQHWITIRGPEASLAQLIS 480  
QY 481 ALROHRNRDVEKIRGLMEDTTQLETDKLALPMSPLSPSPSPNAKLENSALLTVEP 540  
Db 481 ALROHRNRDVEKIRGLMEDTTQLETDKLALPMSPLSPSPSPNAKLENSALLTVEP 540  
QY 541 SPQD 544  
Db 541 SPQD 544

RESULT 4  
US-09-042-785A-2  
; Sequence 2, Application US/09042785A  
; Patent No. 6194151  
; GENERAL INFORMATION:  
; APPLICANT: Busfield, Samantha J  
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY

;; TITLE OF INVENTION: AND USES THEREFOR  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD, LLP  
; STREET: 28 State Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/042,785A  
; FILING DATE: 17-MAR-1998  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/938,896  
; FILING DATE: 26-SEP-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mandragouras, Amy E  
; REGISTRATION NUMBER: 36,207  
; REFERENCE/DOCKET NUMBER: MEI-001CP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617)227-7400  
; TELEFAX: (617)742-4214  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 573 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-09-042-785A-2

Query Match 78.8%; Score 2723; DB 4; Length 573;  
Best Local Similarity 90.2%; Pred. No. 2.1e-233;  
Matches 517; Conservative 15; Mismatches 39; Indels 2; Gaps 2;  
QY 84 SLRVCSGPCVGTTRHENGIEKCHDCSQCPWPWIEKLPKCAALTDRECTCPGCMFOSNAT 143  
Db 2 SLRVCSGPCVGTTRHENGIEKCHDCSQCPWPWIEKLPKCAALTDRECTCPGCMFOSNAT 61  
QY 144 CAPHTVCPGVGVRKGTETEDVRCQKARGTSDVPSSVMKCKAYTDCLSQNLVVIKPG 203  
Db 62 CAPHTVCPGVGVRKGTETEDVRCQKARGTSDVPSSVMKCKAYTDCLSQNLVVIKPG 121  
QY 204 TKETDNCVGTLPFSFSSSTSPSGCTAIFPRPEHMETHEVPSSTYVPGMNSTESNSASVR 263  
Db 122 TKETDNCVGTLPFSFSSSTSPSGCTAIFPRPEHMETHEVPSSTYVPGMNSTESNSASVR 181  
QY 264 PKVLSSTOEGTVPDNTSSARGKEDVNTLPNLQVNHQOQPHRHILKLLP-SMEATGGE 322  
Db 182 TKVPSGIEEGTVPDNTSSARGKEDVNTLPNLQVNHQOQPHRHILKLLP-SMEAT-GE 240  
QY 323 KSSTPIKGRGHPRQNLKHFDINEHLPWMIYVLFLLVLWVIVVCSIRKSSRTLKKGPR 382  
Db 241 KSSTPIKGRGHPRQNLKHFDINEHLPWMIYVLFLLVLWVIVVCSIRKSSRTLKKGPR 300  
QY 383 QDPSAIVEKAGLKKSMPTQNREKWIYCYNGHGIDILKLVAAQVGSQWKDIYQFLCNASE 442  
Db 301 QDPSAIVEKAGLKKSMPTQNREKWIYCYNGHGIDILKLVAAQVGSQWKDIYQFLCNASE 360  
QY 443 REVAAFNGYTADHERAYAAALQHWITIRGPEASLAQLISALROHRNRDVEKIRGLMEDTT 502  
Db 361 REVAAFNGYTADHERAYAAALQHWITIRGPEASLAQLISALROHRNRDVEKIRGLMEDTT 420  
QY 503 QLETDKLALPMSPLSPSPSPNAKLENSALLTVEPSPQDNKNGKGFVDESPLLRCDSS 562  
Db 421 QLETDKLALPMSPLSPSPSPNAKLENSALLTVEPSPQDNKNGKGFVDESPLLRCDSS 480  
QY 563 TSSGSSALSNGSFITKREKDDTVLROVRLDPCDQIPFDMDLHFLPEELRVEEIPQAE 622  
Db 563 TSSGSSALSNGSFITKREKDDTVLROVRLDPCDQIPFDMDLHFLPEELRVEEIPQAE 622

Db 481 TSSGSAISNGSFITKEKDTVLQRVLRDPCDLOPIFDDMLHILNPEELRVIEEIPQAE 540  
QY 623 DKLDRLFEEIGVKSQASOTLLDSVYSHLPDLL 655  
Db 541 DKLDRLFEEIGVKSQASOTLLDSVYSHLPDLL 573

## RESULT 5

US-09-042-785A-4  
; Sequence 4, Application US/09042785A  
; Patent No. 6194151  
; GENERAL INFORMATION:  
; APPLICANT: Busfield, Samantha J  
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY  
; TITLE OF INVENTION: AND USES THEREFOR  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: LAHIVE & COCKFIELD, LLP  
; STREET: 28 State Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/042,785A  
; FILING DATE: 17-MAR-1998  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/938,896  
; FILING DATE: 26-SEP-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mandragoras, Amy E  
; REGISTRATION NUMBER: 36,207  
; REFERENCE/DOCKET NUMBER: MEI-001CP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617)227-7400  
; TELEFAX: (617)742-4214  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 253 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-09-042-785A-4

Query Match 39.3%; Score 1359; DB 4; Length 253;  
Best Local Similarity 100.0%; Pred. No. 9.7e-113;  
Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MGTSPSSSTALASCSRIARRATMTAGSLLGLFSTTTAQPQKASNLGTYRHVDRA 60  
Db 1 MGTSPSSSTALASCSRIARRATMTAGSLLGLFSTTTAQPQKASNLGTYRHVDRA 60  
QY 61 TGOVLTCDCPKAGTYVSEHCTNTSLRVCSGPCVGTFRHENGIEKCHDCSQPCPWPWIEK 120  
Db 61 TGOVLTCDCPKAGTYVSEHCTNTSLRVCSGPCVGTFRHENGIEKCHDCSQPCPWPWIEK 120  
QY 121 LPCAALTRECTCPGPMFOSNATCAPHTVCPVGWGVKKGTTETEDVRCKQCARGTFSDYVP 180  
Db 121 LPCAALTRECTCPGPMFOSNATCAPHTVCPVGWGVKKGTTETEDVRCKQCARGTFSDYVP 180  
QY 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSSTSPSPGTAIFPRPEHMETHE 240  
Db 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSSTSPSPGTAIFPRPEHMETHE 240  
QY 241 VPSSTVVPK 249  
Db 241 VPSSTVVPK 249

## RESULT 6

US-09-527-236A-19  
; Sequence 19, Application US/09527236A  
; Patent No. 6358508  
; GENERAL INFORMATION:  
; APPLICANT: Ni, Jian  
; APPLICANT: Yu, Guo-Liang  
; APPLICANT: Pan, Ping  
; APPLICANT: Gentz, Reiner L.  
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR9  
; FILE REFERENCE: PF375PI  
; CURRENT APPLICATION NUMBER: US/09/527,236A  
; PRIOR FILING DATE: 2000-03-16  
; PRIOR APPLICATION NUMBER: 60/052,991  
; PRIOR FILING DATE: 1997-06-11  
; PRIOR APPLICATION NUMBER: 09/095,094  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/126,019  
; PRIOR FILING DATE: 1999-03-24  
; PRIOR APPLICATION NUMBER: 60/134,220  
; PRIOR FILING DATE: 1999-05-14  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 19  
; LENGTH: 147  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-527-236A-19

Query Match 24.3%; Score 841; DB 4; Length 147;  
Best Local Similarity 99.3%; Pred. No. 4.5e-67;  
Matches 146; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 66 TCDKCPAGTYVSEHCTNTSLRVCSGPCVGTFRHENGIEKCHDCSQPCPWPWIEKLPCAA 125  
Db 1 TCDKCPAGTYVSEHCTNTSLRVCSGPCVGTFRHENGIEKCHDCSQPCPWPWIEKLPCAA 60  
QY 126 LTDRECTCPGPMFOSNATCAPHTVCPVGWGVKKGTTETEDVRCKQCARGTFSDVPSSVMK 185  
Db 61 LTDRECTCPGPMFOSNATCAPHTVCPVGWGVKKGTTETEDVRCKQCARGTFSDVPSSVMK 120  
QY 186 CRAYTDCLSQNLVVIKPGTKETDNVCG 212  
Db 121 CRAYTDCLSQNLVVIKPGTKETDNVCG 147

## RESULT 7

US-08-959-382-4  
; Sequence 4, Application US/08959382  
; Patent No. 6013476  
; GENERAL INFORMATION:  
; APPLICANT: DEEN, KEITH  
; APPLICANT: HURLE, MARK  
; APPLICANT: YOUNG, PETER  
; APPLICANT: TAN, K.B.  
; TITLE OF INVENTION: Tumor Necrosis Related Receptor,  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: RATNER & PRESTIA  
; STREET: P.O. BOX 980  
; CITY: VALLEY FORGE  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19482  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/959,382



;; FILING DATE: 28-OCT-1997  
;; CLASSIFICATION: 514  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 60/041,796  
;; FILING DATE: 02-APR-1997  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: PRESTIA, PAUL F  
;; REGISTRATION NUMBER: 23,031  
;; REFERENCE/DOCKET NUMBER: GH-50017  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 610-407-0700  
;; TELEFAX: 610-407-0701  
;; TELEX: 846169

;; INFORMATION FOR SEQ ID NO: 4:

;; SEQUENCE CHARACTERISTICS:

;; LENGTH: 125 amino acids

;; TYPE: amino acid

;; STRANDEDNESS: single

;; TOPOLOGY: linear

;; MOLECULE TYPE: protein

;; US-08-959-382-4

Query Match 19.5%; Score 673; DB 3; Length 125;

Best Local Similarity 100.0%; Pred. No. 3e-52; Indels 0; Gaps 0;

Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCTSPSSSTALASCRIARRATATMIAGSLLLGLFSTTTTAQPEOKASNLIGTYRHVDRA 60

Db 1 MCTSPSSSTALASCRIARRATATMIAGSLLLGLFSTTTTAQPEOKASNLIGTYRHVDRA 60

QY 61 TGOVLTCDCPKAGTVSEHCTNTSLRVCSCFVGTFTTHRENGIEKCHDCSQPCPWPMEIK 120

Db 61 TGOVLTCDCPKAGTVSEHCTNTSLRVCSCFVGTFTTHRENGIEKCHDCSQPCPWPMEIK 120

QY 121 LPCAA 125

Db 121 LPCAA 125

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;; INFORMATION FOR SEQ ID NO: 30:

;; SEQUENCE CHARACTERISTICS:

;; LENGTH: 84 amino acids

;; TYPE: amino acid

;; TOPOLOGY: linear

;; MOLECULE TYPE: peptide

;; FRAGMENT TYPE: internal

;; US-09-042-785A-30

Query Match 12.5%; Score 431; DB 4; Length 84;

Best Local Similarity 100.0%; Pred. No. 5.1e-31;

Matches 84; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 415 GIDILKLVAAQVGSQWKDIYQFLCNASEREVAFAFNGYTDADHERAYAAALQHTWTIRGPEAS 474

Db 1 GIDILKLVAAQVGSQWKDIYQFLCNASEREVAFAFNGYTDADHERAYAAALQHTWTIRGPEAS 60

QY 475 LAQLISALRQHRNDVVEKIRGLM 498

Db 61 LAQLISALRQHRNDVVEKIRGLM 84

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QY 475 LAOLISALROHRRNDVVEKIRGLM 498  
Db 61 LAOLISALROHRRNDVVEKIRGLM 84

## RESULT 10

US-09-527-236A-21  
; Sequence 21, Application US/09527236A  
; Patent No. 6358508  
; GENERAL INFORMATION:  
; APPLICANT: Ni, Jian  
; APPLICANT: Yu, Guo-Liang  
; APPLICANT: Fan, Ping  
; APPLICANT: Gentz, Reiner L.  
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR9  
; FILE REFERENCE: PF375P1  
; CURRENT APPLICATION NUMBER: US/09/527,236A  
; CURRENT FILING DATE: 2000-03-16  
; PRIOR APPLICATION NUMBER: 60/052,991  
; PRIOR FILING DATE: 1997-06-11  
; PRIOR APPLICATION NUMBER: 09/095,094  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/126,019  
; PRIOR FILING DATE: 1999-03-24  
; PRIOR APPLICATION NUMBER: 60/134,220  
; PRIOR FILING DATE: 1999-05-14  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 21  
; LENGTH: 67  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-527-236A-21

Query Match 10.2%; Score 352; DB 4; Length 67;  
Best Local Similarity 100.0%; Pred. No. 3.7e-24;  
Matches 67; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 429 QKWDYQFLCNASEREVAAFSNGYTADHERAYALQHWITRGPEASIALQISALRQHRN 488  
Db 1 QKWDYQFLCNASEREVAAFSNGYTADHERAYALQHWITRGPEASIALQISALRQHRN 60  
QY 489 DVVEKIR 495  
Db 61 DVVEKIR 67

## RESULT 11

US-08-385-229-2  
; Sequence 2, Application US/08385229  
; Patent No. 5605690  
; GENERAL INFORMATION:  
; APPLICANT: Jacobs, Cindy A.  
; APPLICANT: Smith, Craig A.  
; TITLE OF INVENTION: Method of Treating TNF-Dependent  
; TITLE OF INVENTION: Inflammation Using Tumor Necrosis Factor Antagonists  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunex Corporation  
; STREET: 51 University Street  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: U.S.A.  
; ZIP: 98101  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/385,229  
; FILING DATE:  
; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/946,236  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Wight, Christopher L.  
; REGISTRATION NUMBER: 31,680  
; REFERENCE/DOCKET NUMBER: 2503  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 587-0430  
; TELEFAX: (206) 587-0606  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 461 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-385-229-2

Query Match 9.9%; Score 343.5; DB 1; Length 461;  
Best Local Similarity 29.2%; Pred. No. 4.6e-22;  
Matches 95; Conservative 35; Mismatches 116; Indels 79; Gaps 11;  
QY 65 LTCDCPCAGTYVSEHCTNTSLRVCCSPVGTFTTRHENGIEKHCDCQCPWPMEIKLP 124  
Db 52 MCCSKCSPGOHAKVFTKTSYDTCSDSTYQLWNWPECLSCGSRCSQVETQACT 111  
QY 125 ALTDRECTCPGGMF-----QSNATCAPHTVCVPGVGVRKKGTTETEDVRCKQCARFTSD 178  
Db 112 REONRICTRPGWYGCALSKQEGRLCAPLKRPGFGVARGPTETSDVCKPCAPGTF 171  
QY 179 VPSSVMKRAYTDCLSQNLVVIKPKTKETDNVCGTLPFSSTSP-----SPGTAIPRP 233  
Db 172 TTSSTDICRPHQIC--NVAI-PGNASMDAVC-----TSTSPTRSMAPGAVHLPQV 220  
QY 234 -----EHMETHEVPS-----STYVPKGMNSTESNS----- 259  
Db 221 STRSQHTQPTPEPSTAPSTFLLPMGPSPPAEGSTGDFALPVLGVVGTALGLLIIGV 280  
QY 260 -----ASVRPKVLSSIQEGTVPD-NTSSARGKEDVNKTLNQLVNVHQGP 314  
Db 281 CVIMTQVKKKPLCLQREAKVPHLPADKARG-----TQGEQHLITAP 324  
QY 315 SMEATGGEKSTPI--KGPGRGHR 337  
Db 325 SSSSSLESSASALDRRAPTRNPQ 349

## RESULT 12

US-08-650-000-2  
; Sequence 2, Application US/08650000  
; Patent No. 5945397  
; GENERAL INFORMATION:  
; APPLICANT: Smith, Craig A.  
; APPLICANT: Goodwin, Raymond G.  
; APPLICANT: Beckmann, M. Patricia  
; TITLE OF INVENTION: Tumor Necrosis Factor Receptors  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Immunex Corporation  
; STREET: 51 University Street  
; CITY: Seattle  
; STATE: Washington  
; COUNTRY: U.S.A.  
; ZIP: 98101  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/650,000  
; FILING DATE:  
; CLASSIFICATION: 435





GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 5, 2003, 14:15:48 ; Search time 17 Seconds  
(without alignments)  
1133.648 Million cell updates/sec

Title: US-10-041-574-2

Perfect score: 655

Sequence: 1 MGTSPSSSTALASCSRIARR.....SQEASQTLLDSVYSHLPDLL 655

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 262574 seqs, 29422922 residues

Word size : 0

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued\_Patents\_AA.\*

- 1: /cgn2.6/ptodata/1/1aa/5A\_COMB.pep.\*
- 2: /cgn2.6/ptodata/1/1aa/5B\_COMB.pep.\*
- 3: /cgn2.6/ptodata/1/1aa/6A\_COMB.pep.\*
- 4: /cgn2.6/ptodata/1/1aa/6B\_COMB.pep.\*
- 5: /cgn2.6/ptodata/1/1aa/PCTUS\_COMB.pep.\*
- 6: /cgn2.6/ptodata/1/1aa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	655	100.0	655	US-09-527-236A-2	Sequence 2, Appli
2	631	96.3	655	US-08-959-382-2	Sequence 2, Appli
3	544	83.1	605	US-09-042-785A-23	Sequence 23, Appli
4	249	38.0	253	US-09-042-785A-4	Sequence 4, Appli
5	125	19.1	125	US-08-959-382-4	Sequence 4, Appli
6	119	18.2	147	US-09-527-236A-19	Sequence 19, Appli
7	116	17.7	573	US-09-042-785A-2	Sequence 2, Appli
8	84	12.8	84	US-09-042-785A-30	Sequence 30, Appli
9	84	12.8	84	US-09-042-785A-31	Sequence 31, Appli
10	67	10.2	67	US-09-527-236A-21	Sequence 21, Appli
11	8	1.2	393	US-09-026-587-3	Sequence 3, Appli
12	8	1.2	393	US-09-227-420-3	Sequence 3, Appli
13	8	1.2	418	US-09-026-587-1	Sequence 1, Appli
14	8	1.2	418	US-09-227-420-1	Sequence 1, Appli
15	8	1.2	987	US-08-436-044-6	Sequence 6, Appli
16	8	1.2	987	US-08-436-054-6	Sequence 6, Appli
17	8	1.2	987	PCT-US95-08812-6	Sequence 6, Appli
18	8	1.2	1276	US-08-222-616-24	Sequence 24, Appli
19	8	1.2	1276	US-08-446-648-24	Sequence 24, Appli
20	8	1.2	1276	PCT-US95-04228-24	Sequence 24, Appli
21	7	1.1	14	US-08-480-229C-12	Sequence 12, Appli
22	7	1.1	14	US-08-659-235C-12	Sequence 12, Appli
23	7	1.1	32	US-08-817-811-17	Sequence 17, Appli
24	7	1.1	32	US-08-518-967-10	Sequence 10, Appli
25	7	1.1	73	US-09-134-001C-5305	Sequence 5305, Ap
26	7	1.1	129	US-08-981-601-20	Sequence 20, Appli
27	7	1.1	135	US-08-950-720A-6	Sequence 6, Appli

28	7	1.1	139	4	US-08-874-102-36	Sequence 36, Appl
29	7	1.1	139	4	US-08-984-919A-36	Sequence 36, Appl
30	7	1.1	227	4	US-09-181-183-32	Sequence 32, Appl
31	7	1.1	227	4	US-09-280-040-32	Sequence 32, Appl
32	7	1.1	227	4	US-09-277-700-32	Sequence 32, Appl
33	7	1.1	231	4	US-09-172-952-33	Sequence 33, Appl
34	7	1.1	249	4	US-09-134-001C-5030	Sequence 5030, Ap
35	7	1.1	303	4	US-09-632-947B-5	Sequence 5, Appli
36	7	1.1	358	2	US-08-518-967-2	Sequence 2, Appli
37	7	1.1	432	5	PCT-US95-04910-13	Sequence 13, Appli
38	7	1.1	489	1	US-07-903-103-4	Sequence 4, Appli
39	7	1.1	489	1	US-08-044-619A-4	Sequence 4, Appli
40	7	1.1	489	1	US-08-283-911-4	Sequence 4, Appli
41	7	1.1	489	1	US-08-245-500A-5	Sequence 5, Appli
42	7	1.1	489	1	US-08-390-546-5	Sequence 5, Appli
43	7	1.1	489	1	US-08-390-479A-5	Sequence 5, Appli
44	7	1.1	489	1	US-08-557-393-5	Sequence 5, Appli
45	7	1.1	489	1	US-08-390-516C-5	Sequence 5, Appli

ALIGNMENTS

RESULT 1  
US-09-527-236A-2  
; Sequence 2, Application US/09527236A  
; Patent No. 6358508  
; GENERAL INFORMATION:  
; APPLICANT: NI, Jian  
; APPLICANT: Yu, Guo-Liang  
; APPLICANT: Fan, Ping  
; APPLICANT: Gentz, Reiner L.  
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR9  
; FILE REFERENCE: PF375P1  
; CURRENT APPLICATION NUMBER: US/09/527,236A  
; PRIOR FILING DATE: 2000-03-16  
; PRIOR APPLICATION NUMBER: 60/052,991  
; PRIOR FILING DATE: 1997-06-11  
; PRIOR APPLICATION NUMBER: 09/095,094  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/126,019  
; PRIOR FILING DATE: 1999-03-24  
; PRIOR APPLICATION NUMBER: 60/134,220  
; PRIOR FILING DATE: 1999-05-14  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 655  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-527-236A-2

Query Match	100.0%;	Score 655;	DB 4;	Length 655;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 655;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	MGTSPSSSTALASCSRIARRATMTAGSLLLGLFLSTTAQPEOKASNLIGTYRHVDRA	60	
Db	1	MGTSPSSSTALASCSRIARRATMTAGSLLLGLFLSTTAQPEOKASNLIGTYRHVDRA	60	
QY	61	TQGVLTCDKCPAGTYVSEHCTNTSLRVCSSCPVGFTTRHENGIEKCHDCSQPCPWPWIEK	120	
Db	61	TQGVLTCDKCPAGTYVSEHCTNTSLRVCSSCPVGFTTRHENGIEKCHDCSQPCPWPWIEK	120	
QY	121	LPCAALTRECTCPGFMFOSNATCAPHTVCPVGWGVRRKGTETEDVRCQKARGTSDVP	180	
Db	121	LPCAALTRECTCPGFMFOSNATCAPHTVCPVGWGVRRKGTETEDVRCQKARGTSDVP	180	
QY	181	SSVMCKAYTDCLSQNLVVKPCTKTDNVCGTLPSSFSTSPSGCTAIFPRPEHMETHE	240	
Db	181	SSVMCKAYTDCLSQNLVVKPCTKTDNVCGTLPSSFSTSPSGCTAIFPRPEHMETHE	240	
QY	241	VPSTTVPKGMNSTESNSSAVRKPVLSSIQEGTVPDNTSSARGKEDVKNKTLPLNQVNVH	300	

Db 241 VPSSTVPRKGMNSTESNSASVRPKVLSSTQEGTVPDNTSSARGKEDVNTLPNLQVNH 300  
QY 301 QGQPHRHILKLLPSMEATGGEKSTPIKPKRGHPRONLHKHFDINEHLPWMIVFLLL 360  
Db 301 QGQPHRHILKLLPSMEATGGEKSTPIKPKRGHPRONLHKHFDINEHLPWMIVFLLL 360  
QY 361 VLWVIVVCSIRKSSRTLLKKGPRDPSAIVEKAGLKKSMPTQNRKWIYVNCNGHGDILK 420  
Db 361 VLWVIVVCSIRKSSRTLLKKGPRDPSAIVEKAGLKKSMPTQNRKWIYVNCNGHGDILK 420  
QY 421 LVAAGVGSQWKDIYQFLCNASEREVAAFNGYTTADHERAYAAALQHWITIRGPEASLAQLIS 480  
Db 421 LVAAGVGSQWKDIYQFLCNASEREVAAFNGYTTADHERAYAAALQHWITIRGPEASLAQLIS 480  
QY 481 ALRQHRNDVVEKIRGLMEDTTOLETDKLALPMSPLSPSPSPNAKLENSALLTVEP 540  
Db 481 ALRQHRNDVVEKIRGLMEDTTOLETDKLALPMSPLSPSPSPNAKLENSALLTVEP 540  
QY 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRLNGSFITREKKTDLRQVRLDPCDILQPIF 600  
Db 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRLNGSFITREKKTDLRQVRLDPCDILQPIF 600  
QY 601 DMLHFLNPEELRVEIEIQAEDKLDRLFEIIGVKQSEASQTLSDSVYSHLPDLL 655  
Db 601 DMLHFLNPEELRVEIEIQAEDKLDRLFEIIGVKQSEASQTLSDSVYSHLPDLL 655

RESULT 2

US-08-959-382-2  
; Sequence 2, Application US/08959382  
; Patent No. 6013476  
; GENERAL INFORMATION:  
; APPLICANT: DEEN, KEITH  
; APPLICANT: HURLE, MARK  
; APPLICANT: YOUNG, PETER  
; APPLICANT: TAN, K.B.  
; TITLE OF INVENTION: Tumor Necrosis Related Receptor,  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: RAYNER & PRESTIA  
; STREET: P.O. BOX 980  
; CITY: VALLEY FORGE  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19482  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/959,382  
; FILING DATE: 28-OCT-1997  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/041,796  
; FILING DATE: 02-APR-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: PRESTIA, PAUL F  
; REGISTRATION NUMBER: 23,031  
; REFERENCE/DOCKET NUMBER: GH-50017  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 610-407-0700  
; TELEFAX: 610-407-0701  
; TELFX: 846169  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 655 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear

; MOLECULE TYPE: protein  
US-08-959-382-2  
Query Match 96.3%; Score 631; DB 3; Length 655;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 631; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 25 MIAGSLLLLGFLSTTTTAQPEQKASNLIGTYRHVDRATGQVLTCDKCPAGTYVYSEHCTNLS 84  
Db 25 MIAGSLLLLGFLSTTTTAQPEQKASNLIGTYRHVDRATGQVLTCDKCPAGTYVYSEHCTNLS 84  
QY 85 LRVCCSCPVGTTTRHENGIEKCHDCSQCPWPMIEKLPALATDRECTCPPGMFQSNATC 144  
Db 85 LRVCCSCPVGTTTRHENGIEKCHDCSQCPWPMIEKLPALATDRECTCPPGMFQSNATC 144  
QY 145 APHTVCPVGVGVRKKGTTETEDVRCKOCARGTSDVPSSVMKCKAYTDCLSQNLVVKPGT 204  
Db 145 APHTVCPVGVGVRKKGTTETEDVRCKOCARGTSDVPSSVMKCKAYTDCLSQNLVVKPGT 204  
QY 205 KETDNVCGTLPSPSSSTSPSGTAIPPRPEHMETHEVPSSTVYVPGKMNSTESNSASVRP 264  
Db 205 KETDNVCGTLPSPSSSTSPSGTAIPPRPEHMETHEVPSSTVYVPGKMNSTESNSASVRP 264  
QY 265 KVLSSIQEGTVPDNTSSARGKEDVNTLPNLQVNHQGGPHRHILKLLPSMEATGGEKS 324  
Db 265 KVLSSIQEGTVPDNTSSARGKEDVNTLPNLQVNHQGGPHRHILKLLPSMEATGGEKS 324  
QY 325 STPIKPKRGHPRONLHKHFDINEHLPWMIVFLLLVVLVIVVCSIRKSSRTLLKKGPROD 384  
Db 325 STPIKPKRGHPRONLHKHFDINEHLPWMIVFLLLVVLVIVVCSIRKSSRTLLKKGPROD 384  
QY 385 PSAIVEKAGLKKSMPTQNRKWIYVNCNGHGDILKLVAAQVGSQWKDIYQFLCNASERE 444  
Db 385 PSAIVEKAGLKKSMPTQNRKWIYVNCNGHGDILKLVAAQVGSQWKDIYQFLCNASERE 444  
QY 445 VAAFSNGYTTADHERAYAAALQHWITIRGPEASLAQLISALRQHRNDVVEKIRGLMEDTTO 504  
Db 445 VAAFSNGYTTADHERAYAAALQHWITIRGPEASLAQLISALRQHRNDVVEKIRGLMEDTTO 504  
QY 505 ETDKALPMSPLSPSPSPNAKLENSALLTVEPSPQDNKNGFFVDESEPLLRCDSTS 564  
Db 505 ETDKALPMSPLSPSPSPNAKLENSALLTVEPSPQDNKNGFFVDESEPLLRCDSTS 564  
QY 565 SGSSALSRLNGSFITREKKTDLRQVRLDPCDILQPIFDDMLHFLNPEELRVEIEIQAEDK 624  
Db 565 SGSSALSRLNGSFITREKKTDLRQVRLDPCDILQPIFDDMLHFLNPEELRVEIEIQAEDK 624  
QY 625 LDRLEIIGVKQSEASQTLSDSVYSHLPDLL 655  
Db 625 LDRLEIIGVKQSEASQTLSDSVYSHLPDLL 655

RESULT 3

US-09-042-785A-23  
; Sequence 23, Application US/09042785A  
; Patent No. 6194151  
; GENERAL INFORMATION:  
; APPLICANT: Busfield, Samantha J  
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD, LLP  
; STREET: 28 State Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25

```
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/042,785A
;; FILING DATE: 17-MAR-1998
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/938,896
;; FILING DATE: 26-SEP-1997
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Mandragouras, Amy E
;; REGISTRATION NUMBER: 36,207
;; REFERENCE/DOCKET NUMBER: MEI-001CP
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617)227-7400
;; TELEFAX: (617)742-4214
;; INFORMATION FOR SEQ ID NO: 23:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 605 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
US-09-042-785A-23

Query Match      83.1%; Score 544; DB 4; Length 605;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 544; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGTSPSSSTALASCRIARRATATMIAGSLLLGLFSTTTAQPEQKASNLIGTYRHVDRA 60
Db 1 MGTSPSSSTALASCRIARRATATMIAGSLLLGLFSTTTAQPEQKASNLIGTYRHVDRA 60
QY 61 TQGVLTCDKCPAGTYVSEHCTNTSLRVSCSPVGTFRHENGIEKHCHDCSQPCPWPMEIK 120
Db 61 TQGVLTCDKCPAGTYVSEHCTNTSLRVSCSPVGTFRHENGIEKHCHDCSQPCPWPMEIK 120
QY 121 LPCAALTRECTCPGCMFOSNATCAPHTVCPVGWGVKRGKTETEDVRCQKARGTSDVP 180
Db 121 LPCAALTRECTCPGCMFOSNATCAPHTVCPVGWGVKRGKTETEDVRCQKARGTSDVP 180
QY 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSSTSPSPGTAIFPRPEHMETHE 240
Db 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSSTSPSPGTAIFPRPEHMETHE 240
QY 241 VPSSTYVVKGMSTESNSASVVRPKVLSIQGTVPDNTSSARGEDVKNKTLPLNQVNH 300
Db 241 VPSSTYVVKGMSTESNSASVVRPKVLSIQGTVPDNTSSARGEDVKNKTLPLNQVNH 300
QY 301 QQGPHRHRLKLLPSMEATGGEKSTPIKGRGHPRONLKHEDINEHLPWMIVLFLLL 360
Db 301 QQGPHRHRLKLLPSMEATGGEKSTPIKGRGHPRONLKHEDINEHLPWMIVLFLLL 360
QY 361 VLWVIIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNRKWIYYCNGHGDILK 420
Db 361 VLWVIIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNRKWIYYCNGHGDILK 420
QY 421 LVAAQVGSQWKDIYFLCNASREVAAFNGYTAHERAYALQHWITIRGPEASLAQLIS 480
Db 421 LVAAQVGSQWKDIYFLCNASREVAAFNGYTAHERAYALQHWITIRGPEASLAQLIS 480
QY 481 ALRQHRNDVVEKIRGLMEDTTQLETDKLALPMSPLSPSPSPNAKLENSALLTVEP 540
Db 481 ALRQHRNDVVEKIRGLMEDTTQLETDKLALPMSPLSPSPSPNAKLENSALLTVEP 540
QY 541 SPQD 544
Db 541 SPQD 544
```

```
RESULT 4
US-09-042-785A-4
; Sequence 4, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
```

```
;; TITLE OF INVENTION: AND USES THEREFOR
;; NUMBER OF SEQUENCES: 31
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: LAHIVE & COCKFIELD, LLP
;; STREET: 28 State Street
;; CITY: Boston
;; STATE: Massachusetts
;; COUNTRY: USA
;; ZIP: 02109
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/042,785A
;; FILING DATE: 17-MAR-1998
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/938,896
;; FILING DATE: 26-SEP-1997
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Mandragouras, Amy E
;; REGISTRATION NUMBER: 36,207
;; REFERENCE/DOCKET NUMBER: MEI-001CP
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617)227-7400
;; TELEFAX: (617)742-4214
;; INFORMATION FOR SEQ ID NO: 4:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 253 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
US-09-042-785A-4

Query Match      38.0%; Score 249; DB 4; Length 253;
Best Local Similarity 100.0%; Pred. No. 4.9e-236;
Matches 249; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGTSPSSSTALASCRIARRATATMIAGSLLLGLFSTTTAQPEQKASNLIGTYRHVDRA 60
Db 1 MGTSPSSSTALASCRIARRATATMIAGSLLLGLFSTTTAQPEQKASNLIGTYRHVDRA 60
QY 61 TQGVLTCDKCPAGTYVSEHCTNTSLRVSCSPVGTFRHENGIEKHCHDCSQPCPWPMEIK 120
Db 61 TQGVLTCDKCPAGTYVSEHCTNTSLRVSCSPVGTFRHENGIEKHCHDCSQPCPWPMEIK 120
QY 121 LPCAALTRECTCPGCMFOSNATCAPHTVCPVGWGVKRGKTETEDVRCQKARGTSDVP 180
Db 121 LPCAALTRECTCPGCMFOSNATCAPHTVCPVGWGVKRGKTETEDVRCQKARGTSDVP 180
QY 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSSTSPSPGTAIFPRPEHMETHE 240
Db 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSSTSPSPGTAIFPRPEHMETHE 240
QY 241 VPSSTYVVK 249
Db 241 VPSSTYVVK 249

RESULT 5
US-08-959-382-4
; Sequence 4, Application US/08959382
; Patent No. 6013476
; GENERAL INFORMATION:
; APPLICANT: DEEN, KEITH
; APPLICANT: HURLE, MARK
; APPLICANT: YOUNG, PETER
; APPLICANT: TAN, K.B.
; TITLE OF INVENTION: Tumor Necrosis Related Receptor,
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
```



```
; ADDRESSEE: RATNER & PRESTIA
; STREET: P.O. BOX 980
; CITY: VALLEY FORGE
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/959,382
; FILING DATE: 28-OCT-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/041,796
; FILING DATE: 02-APR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: PRESTIA, PAUL F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GH-50017
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0701
; TELEX: 846169
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-959-382-4

Query Match 19.1%; Score 125; DB 3; Length 125;
Best Local Similarity 100.0%; Pred. No. 1.1e-114;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGTSPSSSTALASCSRIARRATMTAGSLLLGLFSTTTAQPQKASNLIGYRVDRA 60
Db 1 MGTSPSSSTALASCSRIARRATMTAGSLLLGLFSTTTAQPQKASNLIGYRVDRA 60
QY 61 TGQVLCDCRCPAGTYVSEHCTNTSLRVCSSCPVGTFTRHENGIEKCHDCSQPCPWPWIEK 120
Db 61 TGQVLCDCRCPAGTYVSEHCTNTSLRVCSSCPVGTFTRHENGIEKCHDCSQPCPWPWIEK 120
QY 121 LPCAA 125
Db 121 LPCAA 125

RESULT 6
US-09-527-236A-19
; Sequence 19, Application US/09527236A
; Patent No. 6358508
; GENERAL INFORMATION:
; APPLICANT: N1, Jian
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Fan, Ping
; APPLICANT: Gentz, Reiner L.
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR9
; FILE REFERENCE: Pf375p1
; CURRENT APPLICATION NUMBER: US/09/527,236A
; PRIOR FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/052,991
; PRIOR FILING DATE: 1997-06-11
; PRIOR APPLICATION NUMBER: 09/095,094
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/126,019
; PRIOR FILING DATE: 1999-03-24
; PRIOR APPLICATION NUMBER: 60/134,220
; PRIOR FILING DATE: 1999-05-14

; ADDRESSSEE: RATNER & PRESTIA
; STREET: P.O. BOX 980
; CITY: VALLEY FORGE
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/959,382
; FILING DATE: 28-OCT-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/041,796
; FILING DATE: 02-APR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: PRESTIA, PAUL F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GH-50017
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0701
; TELEX: 846169
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-959-382-4

Query Match 19.1%; Score 125; DB 3; Length 125;
Best Local Similarity 100.0%; Pred. No. 1.1e-114;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGTSPSSSTALASCSRIARRATMTAGSLLLGLFSTTTAQPQKASNLIGYRVDRA 60
Db 1 MGTSPSSSTALASCSRIARRATMTAGSLLLGLFSTTTAQPQKASNLIGYRVDRA 60
QY 61 TGQVLCDCRCPAGTYVSEHCTNTSLRVCSSCPVGTFTRHENGIEKCHDCSQPCPWPWIEK 120
Db 61 TGQVLCDCRCPAGTYVSEHCTNTSLRVCSSCPVGTFTRHENGIEKCHDCSQPCPWPWIEK 120
QY 121 LPCAA 125
Db 121 LPCAA 125

RESULT 6
US-09-527-236A-19
; Sequence 19, Application US/09527236A
; Patent No. 6358508
; GENERAL INFORMATION:
; APPLICANT: N1, Jian
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Fan, Ping
; APPLICANT: Gentz, Reiner L.
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR9
; FILE REFERENCE: Pf375p1
; CURRENT APPLICATION NUMBER: US/09/527,236A
; PRIOR FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/052,991
; PRIOR FILING DATE: 1997-06-11
; PRIOR APPLICATION NUMBER: 09/095,094
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/126,019
; PRIOR FILING DATE: 1999-03-24
; PRIOR APPLICATION NUMBER: 60/134,220
; PRIOR FILING DATE: 1999-05-14
```

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; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 19
; LENGTH: 147
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-527-236A-19

Query Match 18.2%; Score 119; DB 4; Length 147;
Best Local Similarity 100.0%; Pred. No. 9.4e-109;
Matches 119; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 66 TCDKCPAGTYVSEHCTNTSLRVCSSCPVGTFTRHENGIEKCHDCSQPCPWPWIEKLPCAA 125
Db 1 TCDKCPAGTYVSEHCTNTSLRVCSSCPVGTFTRHENGIEKCHDCSQPCPWPWIEKLPCAA 60
QY 126 LTDRECTCPGPMFQSNATCAPHTVCPVGVGRKKGTTETEDVRCCKQCARGTFSVPSSVM 184
Db 61 LTDRECTCPGPMFQSNATCAPHTVCPVGVGRKKGTTETEDVRCCKQCARGTFSVPSSVM 119

RESULT 7
US-09-042-785A-2
; Sequence 2, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
; TITLE OF INVENTION: AND USES THEREFOR
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,785A
; FILING DATE: 17-MAR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/938,896
; FILING DATE: 26-SEP-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MEI-001CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 573 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-042-785A-2

Query Match 17.7%; Score 116; DB 4; Length 573;
Best Local Similarity 100.0%; Pred. No. 2.9e-105;
Matches 116; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 412 NGHGDILKLVAAQVGSQWKDIYQFLCNASEREVAAFNSGYTADHERAYAAQLQHWIRGP 471
Db 330 NGHGDILKLVAAQVGSQWKDIYQFLCNASEREVAAFNSGYTADHERAYAAQLQHWIRGP 389
QY 472 EASLAQLISALROHRRNDVVEKIRGLMETDTTQLETDKLLPWSPLSPSPSPN 527
|||||
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Db 390 EASLAQISALRQHRNDVVEKIRGLMEDTQLETKLALPMSPLSPSPSPN 445

RESULT 8

US-09-042-785A-30

Sequence 30, Application US/09042785A

Patent No. 6194151

GENERAL INFORMATION:

APPLICANT: Busfield, Samantha J

TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY

TITLE OF INVENTION: AND USES THEREFOR

NUMBER OF SEQUENCES: 31

CORRESPONDENCE ADDRESS:

ADDRESSEE: LAHIVE & COCKFIELD, LLP

STREET: 28 State Street

CITY: Boston

STATE: Massachusetts

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/042,785A

FILING DATE: 17-MAR-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/938,896

FILING DATE: 26-SEP-1997

ATTORNEY/AGENT INFORMATION:

NAME: Mandragouras, Amy E

REGISTRATION NUMBER: 36,207

REFERENCE/DOCKET NUMBER: MEI-001CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617)227-7400

TELEFAX: (617)742-4214

INFORMATION FOR SEQ ID NO: 30:

SEQUENCE CHARACTERISTICS:

LENGTH: 84 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-09-042-785A-30

Query Match 12.8%; Score 84; DB 4; Length 84;

Best Local Similarity 100.0%; Pred. No. 1.2e-74;

Matches 84; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 415 GIDILKLVAAQVGSQWKDIYQFLCNASEREVAAFSGYTDADHERAYAAALQHQHTIRGPEAS 474

Db 1 GIDILKLVAAQVGSQWKDIYQFLCNASEREVAAFSGYTDADHERAYAAALQHQHTIRGPEAS 60

QY 475 LAQISALRQHRNDVVEKIRGLM 498

Db 61 LAQISALRQHRNDVVEKIRGLM 84

RESULT 9

US-09-042-785A-31

Sequence 31, Application US/09042785A

Patent No. 6194151

GENERAL INFORMATION:

APPLICANT: Busfield, Samantha J

TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY

TITLE OF INVENTION: AND USES THEREFOR

NUMBER OF SEQUENCES: 31

CORRESPONDENCE ADDRESS:

ADDRESSEE: LAHIVE & COCKFIELD, LLP

STREET: 28 State Street

CITY: Boston

STATE: Massachusetts

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/042,785A

FILING DATE: 17-MAR-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/938,896

FILING DATE: 26-SEP-1997

ATTORNEY/AGENT INFORMATION:

NAME: Mandragouras, Amy E

REGISTRATION NUMBER: 36,207

REFERENCE/DOCKET NUMBER: MEI-001CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617)227-7400

TELEFAX: (617)742-4214

INFORMATION FOR SEQ ID NO: 31:

SEQUENCE CHARACTERISTICS:

LENGTH: 84 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-09-042-785A-31

Query Match 12.8%; Score 84; DB 4; Length 84;

Best Local Similarity 100.0%; Pred. No. 1.2e-74;

Matches 84; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 415 GIDILKLVAAQVGSQWKDIYQFLCNASEREVAAFSGYTDADHERAYAAALQHQHTIRGPEAS 474

Db 1 GIDILKLVAAQVGSQWKDIYQFLCNASEREVAAFSGYTDADHERAYAAALQHQHTIRGPEAS 60

QY 475 LAQISALRQHRNDVVEKIRGLM 498

Db 61 LAQISALRQHRNDVVEKIRGLM 84

RESULT 10

US-09-527-236A-21

Sequence 21, Application US/09527236A

Patent No. 6358508

GENERAL INFORMATION:

APPLICANT: Ni, Jian

APPLICANT: Yu, Guo-Liang

APPLICANT: Fan, Ping

APPLICANT: Gentz, Reiner L.

TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR9

FILE REFERENCE: PF375PI

CURRENT APPLICATION NUMBER: US/09/527,236A

CURRENT FILING DATE: 2000-03-16

PRIOR APPLICATION NUMBER: 60/052,991

PRIOR FILING DATE: 1997-06-11

PRIOR APPLICATION NUMBER: 09/095,094

PRIOR FILING DATE: 1998-06-10

PRIOR APPLICATION NUMBER: 60/126,019

PRIOR FILING DATE: 1999-03-24

PRIOR APPLICATION NUMBER: 60/134,220

PRIOR FILING DATE: 1999-05-14

NUMBER OF SEQ ID NOS: 27

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 21

LENGTH: 67

TYPE: PRT

ORGANISM: Homo sapiens

US-09-527-236A-21

Query Match 10.2%; Score 67; DB 4; Length 67;

Best Local Similarity 100.0%; Pred. No. 4.5e-58;

```
Matches 67; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 429 QWKDIYQFLCNASEREVAAFSNGYTADHERAYAAHQHTIRGPEASLAQLISALRQHRN 488
|||||
Db 1 QWKDIYQFLCNASEREVAAFSNGYTADHERAYAAHQHTIRGPEASLAQLISALRQHRN 60
|||||
QY 489 DVVEKIR 495
|||||
Db 61 DVVEKIR 67
|||||

RESULT 11
US-09-026-587-3
; Sequence 3, Application US/09026587
; Patent No. 5912128
; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti
; APPLICANT: Guegler, Karl J.
; APPLICANT: Corley, Neil C.
; TITLE OF INVENTION: HUMAN ENA/VASP-LIKE PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/026,587
; FILING DATE: Filed Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0471 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 393 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 1644453
; US-09-026-587-3

Query Match 1.2%; Score 8; DB 2; Length 393;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 220 STSPSPGT 227
|||||
Db 300 STSPSPGT 307

RESULT 12
US-09-227-420-3
; Sequence 3, Application US/09227420
; Patent No. 5990087
; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti
; APPLICANT: Guegler, Karl J.
; APPLICANT: Corley, Neil C.
; TITLE OF INVENTION: HUMAN ENA/VASP-LIKE PROTEIN
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
```

;; SOFTWARE: FastSEQ for Windows Version 2.0  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/026,587  
;; FILING DATE: Filed Herewith  
;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER:  
;; FILING DATE:  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Billings, Lucy J.  
;; REGISTRATION NUMBER: 36,749  
;; REFERENCE/DOCKET NUMBER: PF-0471 US  
;; TELEPHONE: 650-855-0555  
;; TELEFAX: 650-845-4166  
;; TELEX:  
;; INFORMATION FOR SEQ ID NO: 1:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 418 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; IMMEDIATE SOURCE:  
;; LIBRARY: HEAONOT03  
;; CLONE: 3089412  
US-09-026-587-1

Query Match 1.2%; Score 8; DB 2; Length 418;  
Best Local Similarity 100.0%; Pred. No. 18;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 220 STSPSPGT 227  
Db 304 STSPSPGT 311

RESULT 14  
US-09-227-420-1  
; Sequence 1, Application US/09227420  
; Patent No. 5990087  
; GENERAL INFORMATION:  
; APPLICANT: Lal, Preeti  
; APPLICANT: Guegler, Karl J.  
; APPLICANT: Corley, Neil C.  
; TITLE OF INVENTION: HUMAN ENA/VASP-LIKE PROTEIN  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/227,420  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/026,587  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0471 US  
; TELEPHONE: 650-855-0555  
; TELEFAX: 650-845-4166  
; TELEX:

;; INFORMATION FOR SEQ ID NO: 1:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 418 amino acids  
;; TYPE: amino acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; IMMEDIATE SOURCE:  
;; LIBRARY: HEAONOT03  
;; CLONE: 3089412  
US-09-227-420-1

Query Match 1.2%; Score 8; DB 2; Length 418;  
Best Local Similarity 100.0%; Pred. No. 18;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 220 STSPSPGT 227  
Db 304 STSPSPGT 311

RESULT 15  
US-08-436-044-6  
; Sequence 6, Application US/08436044  
; Patent No. 5624899  
; GENERAL INFORMATION:  
; APPLICANT: Bennett, Brian D.  
; APPLICANT: Matthews, William  
; TITLE OF INVENTION: HTK LIGAND  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: patin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/436,044  
; FILING DATE: 05-MAY-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/277722  
; FILING DATE: 20-JUL-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lee, Wendy M.  
; REGISTRATION NUMBER: 00,000  
; REFERENCE/DOCKET NUMBER: 902D3  
; TELEPHONE: 415/225-1994  
; TELEFAX: 415/952-9881  
; TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 987 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
US-08-436-044-6

Query Match 1.2%; Score 8; DB 1; Length 987;  
Best Local Similarity 100.0%; Pred. No. 40;  
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 360 LVLVVIV 367  
Db 551 LVLVVIV 558

Search completed: June 5, 2003, 14:20:30

Job time : 18 secs

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;	PRIOR FILING DATE:	1997-11-03
;	PRIOR APPLICATION NUMBER:	60/065311
;	PRIOR FILING DATE:	1997-11-13
;	PRIOR APPLICATION NUMBER:	60/066364
;	PRIOR FILING DATE:	1997-11-21
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;	PRIOR APPLICATION NUMBER:	60/077641
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;	PRIOR APPLICATION NUMBER:	60/077791
;	PRIOR FILING DATE:	1998-03-12
;	PRIOR APPLICATION NUMBER:	60/078004
;	PRIOR FILING DATE:	1998-03-13
;	PRIOR APPLICATION NUMBER:	60/078886
;	PRIOR FILING DATE:	1998-03-20
;	PRIOR APPLICATION NUMBER:	60/078936
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;	PRIOR APPLICATION NUMBER:	60/078910
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;	PRIOR FILING DATE:	1998-04-09
;	PRIOR APPLICATION NUMBER:	60/081229
;	PRIOR FILING DATE:	1998-04-09
;	PRIOR APPLICATION NUMBER:	60/081955
;	PRIOR FILING DATE:	1998-04-15

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19	PRIOR APPLICATION NUMBER: 60/082797
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21	PRIOR APPLICATION NUMBER: 60/082796
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26	PRIOR FILING DATE: 1998-04-28
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53	PRIOR APPLICATION NUMBER: 60/084640
54	PRIOR FILING DATE: 1998-05-07
55	PRIOR APPLICATION NUMBER: 60/084627
56	PRIOR FILING DATE: 1998-05-07
57	PRIOR APPLICATION NUMBER: 60/084643
58	PRIOR FILING DATE: 1998-05-07
59	PRIOR APPLICATION NUMBER: 60/085339
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61	PRIOR APPLICATION NUMBER: 60/085338
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64	PRIOR FILING DATE: 1998-05-13
65	PRIOR APPLICATION NUMBER: 60/085582



;; PRIORITY FILING DATE: 1998-05-15  
;; PRIORITY APPLICATION NUMBER: 60/085700  
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;; PRIORITY FILING DATE: 1998-05-15  
;; PRIORITY APPLICATION NUMBER: 60/085580  
;; PRIORITY FILING DATE: 1998-05-15  
;; PRIORITY APPLICATION NUMBER: 60/085573  
;; PRIORITY FILING DATE: 1998-05-15  
;; PRIORITY APPLICATION NUMBER: 60/085704  
;; PRIORITY FILING DATE: 1998-05-15  
;; PRIORITY APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 655; DB 9; Length 655;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MGTSPSSSTALASCRIARRATATMIAGSLLLGLFLSTTTAQQEQKASNLIGTYRHVDRA 60  
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Db 61 TGOVLCDKCPAGTYVSEHCTNTSLRVCSSCPVGTTRHENGIEKCHDCSQPCPWPWMIK 120  
QY 121 LPCAALTIRECTCPPGMFQSNATCAPHTVCPVGMVGRKKGTTEDVRCQKARGTSDVP 180  
Db 121 LPCAALTIRECTCPPGMFQSNATCAPHTVCPVGMVGRKKGTTEDVRCQKARGTSDVP 180  
QY 181 SSVMKCAVTDCLSQLNLVVKPGTETDNVCGTLPSPFSSSTSPGTAIFPRPEHMETHE 240  
Db 181 SSVMKCAVTDCLSQLNLVVKPGTETDNVCGTLPSPFSSSTSPGTAIFPRPEHMETHE 240  
QY 241 VPSSTVYVPGMNSTESNSASVPRPKVLSIQEGTVPDNTSSARGKEDVKNKTLPLNQLVNH 300  
Db 241 VPSSTVYVPGMNSTESNSASVPRPKVLSIQEGTVPDNTSSARGKEDVKNKTLPLNQLVNH 300  
QY 301 QOQPHRHILKLLPSMEATGGEKSSPIKPKRGHPRQNLHKHFDINEHLPWMIVLFLLL 360  
Db 301 QOQPHRHILKLLPSMEATGGEKSSPIKPKRGHPRQNLHKHFDINEHLPWMIVLFLLL 360  
QY 361 VLWVIVVCSIRKSSRTLKKGPRDPSAIVEKAGLKKSMPTQNRKWIYCNHGHGIDILK 420  
Db 361 VLWVIVVCSIRKSSRTLKKGPRDPSAIVEKAGLKKSMPTQNRKWIYCNHGHGIDILK 420  
QY 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNSGYTADHERAYAAALQHWITIRGPEASLAQLIS 480  
Db 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNSGYTADHERAYAAALQHWITIRGPEASLAQLIS 480  
QY 481 ALROHRRNDVVEKIRGLMEDTTQLETKLALPMSPLSPSPSPNAKLENSALLTVEP 540  
Db 481 ALROHRRNDVVEKIRGLMEDTTQLETKLALPMSPLSPSPSPNAKLENSALLTVEP 540  
QY 541 SPQDNKGFVDESEPLLRCDSTSSGSSALSRLNGSFITREKDKTVLRQVRLDPCDLQPIF 600  
Db 541 SPQDNKGFVDESEPLLRCDSTSSGSSALSRLNGSFITREKDKTVLRQVRLDPCDLQPIF 600  
QY 601 DMLHFLNPEELRVIEIQAEDKDLRLFEIIGVKSOEASQTLDSVYSHLPOLL 655  
Db 601 DMLHFLNPEELRVIEIQAEDKDLRLFEIIGVKSOEASQTLDSVYSHLPOLL 655

RESULT 2  
US-09-756-854-2  
; Sequence 2, Application US/09756854  
; Patent No. US20020164684A1  
; GENERAL INFORMATION:  
; APPLICANT: Ni, Jian  
; Yu, Guo-Liang  
; Fan, Ping  
; Gentz, Reiner

;; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR9  
;; NUMBER OF SEQUENCES: 26  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Human Genome Sciences, Inc.  
;; STREET: 9410 Key West Avenue  
;; CITY: Rockville  
;; STATE: MD  
;; COUNTRY: US  
;; ZIP: 20850  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/756,854  
;; FILING DATE: 10-Jan-2001  
;; CLASSIFICATION: <Unknown>  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 09/095,094  
;; FILING DATE: <Unknown>  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Hoover, Kenley K.  
;; REGISTRATION NUMBER: 40,302  
;; REFERENCE/DOCKET NUMBER: PF375  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 301-309-8504  
;; TELEFAX: 301-309-8439  
;; INFORMATION FOR SEQ ID NO: 2:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 655 amino acids  
;; TYPE: amino acid  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: protein  
;; SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
;; US-09-756-854-2

Query Match 100.0%; Score 655; DB 9; Length 655;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGTSPSSSTALASCRIARRATATMIAGSLLLGLFLSTTTAQQEQKASNLIGTYRHVDRA 60  
Db 1 MGTSPSSSTALASCRIARRATATMIAGSLLLGLFLSTTTAQQEQKASNLIGTYRHVDRA 60  
QY 61 TGOVLCDKCPAGTYVSEHCTNTSLRVCSSCPVGTTRHENGIEKCHDCSQPCPWPWMIK 120  
Db 61 TGOVLCDKCPAGTYVSEHCTNTSLRVCSSCPVGTTRHENGIEKCHDCSQPCPWPWMIK 120  
QY 121 LPCAALTIRECTCPPGMFQSNATCAPHTVCPVGMVGRKKGTTEDVRCQKARGTSDVP 180  
Db 121 LPCAALTIRECTCPPGMFQSNATCAPHTVCPVGMVGRKKGTTEDVRCQKARGTSDVP 180  
QY 181 SSVMKCAVTDCLSQLNLVVKPGTETDNVCGTLPSPFSSSTSPGTAIFPRPEHMETHE 240  
Db 181 SSVMKCAVTDCLSQLNLVVKPGTETDNVCGTLPSPFSSSTSPGTAIFPRPEHMETHE 240  
QY 241 VPSSTVYVPGMNSTESNSASVPRPKVLSIQEGTVPDNTSSARGKEDVKNKTLPLNQLVNH 300  
Db 241 VPSSTVYVPGMNSTESNSASVPRPKVLSIQEGTVPDNTSSARGKEDVKNKTLPLNQLVNH 300  
QY 301 QOQPHRHILKLLPSMEATGGEKSSPIKPKRGHPRQNLHKHFDINEHLPWMIVLFLLL 360  
Db 301 QOQPHRHILKLLPSMEATGGEKSSPIKPKRGHPRQNLHKHFDINEHLPWMIVLFLLL 360  
QY 361 VLWVIVVCSIRKSSRTLKKGPRDPSAIVEKAGLKKSMPTQNRKWIYCNHGHGIDILK 420  
Db 361 VLWVIVVCSIRKSSRTLKKGPRDPSAIVEKAGLKKSMPTQNRKWIYCNHGHGIDILK 420  
QY 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNSGYTADHERAYAAALQHWITIRGPEASLAQLIS 480  
Db 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNSGYTADHERAYAAALQHWITIRGPEASLAQLIS 480

OY 481 ALRQHRNDVVEKIRGLMEDTQLETKLALPMSPLSPSPSPNAKLENSALLTVEP 540  
 Db 481 ALRQHRNDVVEKIRGLMEDTQLETKLALPMSPLSPSPSPNAKLENSALLTVEP 540  
 OY 541 SPQDNKGFVDESEPLLRCDSTSSSSSALSRRNGSITTEKKDTVLQRVRLDPCDLQPIF 600  
 Db 541 SPQDNKGFVDESEPLLRCDSTSSSSSALSRRNGSITTEKKDTVLQRVRLDPCDLQPIF 600  
 OY 601 DDMHLFNLPELRAVIEIQAEDKDLRLFEIIGVKSOEASQTLSDSVYSHLPDLL 655  
 Db 601 DDMHLFNLPELRAVIEIQAEDKDLRLFEIIGVKSOEASQTLSDSVYSHLPDLL 655

RESULT 3

US-09-978-697-64  
 ; Sequence 64, Application US/09978697  
 ; Patent No. US20020169284A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi  
 ; APPLICANT: Baker Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Deenoyers, Luc  
 ; APPLICANT: Eaton, Dan  
 ; APPLICANT: Ferrara, Napoleon  
 ; APPLICANT: Filvaroff, Ellen  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gottard, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Hillan, Kenneth J.  
 ; APPLICANT: Kljavin, Ivar J.  
 ; APPLICANT: Kuo, Sophia S.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Shelton, David L.  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; TITLE OF INVENTION: Acids Encoding the Same  
 ; FILE REFERENCE: P2630PIC27  
 ; CURRENT APPLICATION NUMBER: US/09/978,697  
 ; CURRENT FILING DATE: 2001-10-16  
 ; PRIOR APPLICATION NUMBER: 09/918585  
 ; PRIOR FILING DATE: 2001-07-30  
 ; PRIOR APPLICATION NUMBER: 60/062250  
 ; PRIOR FILING DATE: 1997-10-17  
 ; PRIOR APPLICATION NUMBER: 60/064249  
 ; PRIOR FILING DATE: 1997-11-03  
 ; PRIOR APPLICATION NUMBER: 60/065311  
 ; PRIOR FILING DATE: 1997-11-13  
 ; PRIOR APPLICATION NUMBER: 60/066364  
 ; PRIOR FILING DATE: 1997-11-21  
 ; PRIOR APPLICATION NUMBER: 60/077450  
 ; PRIOR FILING DATE: 1998-03-10  
 ; PRIOR APPLICATION NUMBER: 60/077632  
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 ; PRIOR APPLICATION NUMBER: 60/077791  
 ; PRIOR FILING DATE: 1998-03-12  
 ; PRIOR APPLICATION NUMBER: 60/078004  
 ; PRIOR FILING DATE: 1998-03-13  
 ; PRIOR APPLICATION NUMBER: 60/078886

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 ; PRIOR APPLICATION NUMBER: 60/082700  
 ; PRIOR FILING DATE: 1998-04-22



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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-041-574-2
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Best Local Similarity 100.0%; Pred. No. 0;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; Sequence 64, Application US/09978192A
; Patent No. US2002017753A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
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; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
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; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630PIC9
; CURRENT APPLICATION NUMBER: US/09/978,192A
; CURRENT FILING DATE: 2001-10-15
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; PRIOR FILING DATE: 2001-07-30
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US-09-999-832A-64

; Sequence 64, Application US/09999832A

; Publication No. US20020192706A1

## GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi  
; APPLICANT: Baker Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan  
; APPLICANT: Ferrara, Napoleon  
; APPLICANT: Flivaroff, Ellen  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Hillan, Kenneth J.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Kuo, Sophia S.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Shelton, David L.  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2630PIC63  
; CURRENT APPLICATION NUMBER: US/09/999,832A  
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APPLICANT: Shelton, David L.  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2630P1C7  
CURRENT APPLICATION NUMBER: US/09/978,189  
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PRIOR APPLICATION NUMBER: 60/081203  
PRIOR FILING DATE: 1998-04-09  
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PRIOR APPLICATION NUMBER: 60/081817  
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PRIOR FILING DATE: 1998-04-21  
PRIOR APPLICATION NUMBER: 60/082704  
PRIOR FILING DATE: 1998-04-22  
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PRIOR FILING DATE: 1998-04-22  
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PRIOR FILING DATE: 1998-04-23  
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PRIOR APPLICATION NUMBER: 60/083558  
PRIOR FILING DATE: 1998-04-29  
PRIOR APPLICATION NUMBER: 60/083559  
PRIOR FILING DATE: 1998-04-29  
PRIOR APPLICATION NUMBER: 60/083500  
PRIOR FILING DATE: 1998-04-29  
PRIOR APPLICATION NUMBER: 60/083742  
PRIOR FILING DATE: 1998-04-30  
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PRIOR FILING DATE: 1998-05-05  
PRIOR APPLICATION NUMBER: 60/084414  
PRIOR FILING DATE: 1998-05-06  
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PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/084639  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/084640  
PRIOR FILING DATE: 1998-05-07







Db 181 SSMCKACKAYTDCSLQNLVVKPGTKETDNVCGTLPFSFSSSTSPSPGTAFFPRPEHMETHE 240  
QY 241 VPSSTYVPGKMNSTESNSASVRPKVLSIIQEGTVPDNTSSARGEDVKNKTLNQLQVYVNH 300  
Db 241 VPSSTYVPGKMNSTESNSASVRPKVLSIIQEGTVPDNTSSARGEDVKNKTLNQLQVYVNH 300  
QY 301 QOGPHRRHILKLLPSMEATGGEKSSSTPIKGRKRGHPQNLHKHFDINEHLPWMI VLFLL 360  
Db 301 QOGPHRRHILKLLPSMEATGGEKSSSTPIKGRKRGHPQNLHKHFDINEHLPWMI VLFLL 360  
QY 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNRKWIYICNGHGDILK 420  
Db 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNRKWIYICNGHGDILK 420  
QY 421 LVAAQVGSQWKDIYQFLCNASREVAAFNGYTAHERAYAAALQHWITIRGPEASLAQLIS 480  
Db 421 LVAAQVGSQWKDIYQFLCNASREVAAFNGYTAHERAYAAALQHWITIRGPEASLAQLIS 480  
QY 481 ALRQHRNDVVEKIRGLMEDTTQLETDKLALPMSPLSPSPSPNKLNSALLTVEP 540  
Db 481 ALRQHRNDVVEKIRGLMEDTTQLETDKLALPMSPLSPSPSPNKLNSALLTVEP 540  
QY 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRLNGSFITKEKDTVLRQVRLDPCDLOPIF 600  
Db 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRLNGSFITKEKDTVLRQVRLDPCDLOPIF 600  
QY 601 DDLHLFNLPEELRVIEEIPQAEKDLRLFEIIGVKSQASOTLLDSVYSHLPDLL 655  
Db 601 DDLHLFNLPEELRVIEEIPQAEKDLRLFEIIGVKSQASOTLLDSVYSHLPDLL 655

## RESULT 13

US-10-175-752-418  
; Sequence 418, Application US/10175752  
; Publication No. US2003002295A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P34301C60  
; CURRENT APPLICATION NUMBER: US/10/175,752  
; CURRENT FILING DATE: 2002-06-19  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 418  
; LENGTH: 655  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-175-752-418

Query Match 100.0%; Score 655; DB 9; Length 655;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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Db 1 MCTSPSSSALASCRIARRATATMTAGSLLLGLFSTTTAQAPEQKASNLICTYRHHVRA 60  
QY 61 TGOVLTCDCPAGTVYSECHTNTSLRVCSQCPVGTFRHENGIEKCHDCSQCPWPWIEK 120  
Db 61 TGOVLTCDCPAGTVYSECHTNTSLRVCSQCPVGTFRHENGIEKCHDCSQCPWPWIEK 120  
QY 121.LPCAALTDRECTCPFGMFQSNATCAPHTVCPVGGWGRKGTETEDVRCKQCARGTFSVP 180

Db 121 LPCAALTDRECTCPFGMFQSNATCAPHTVCPVGGWGRKGTETEDVRCKQCARGTFSVP 180  
QY 181 SSMCKACKAYTDCSLQNLVVKPGTKETDNVCGTLPFSFSSSTSPSPGTAFFPRPEHMETHE 240  
Db 181 SSMCKACKAYTDCSLQNLVVKPGTKETDNVCGTLPFSFSSSTSPSPGTAFFPRPEHMETHE 240  
QY 241 VPSSTYVPGKMNSTESNSASVRPKVLSIIQEGTVPDNTSSARGEDVKNKTLNQLQVYVNH 300  
Db 241 VPSSTYVPGKMNSTESNSASVRPKVLSIIQEGTVPDNTSSARGEDVKNKTLNQLQVYVNH 300  
QY 301 QOGPHRRHILKLLPSMEATGGEKSSSTPIKGRKRGHPQNLHKHFDINEHLPWMI VLFLL 360  
Db 301 QOGPHRRHILKLLPSMEATGGEKSSSTPIKGRKRGHPQNLHKHFDINEHLPWMI VLFLL 360  
QY 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNRKWIYICNGHGDILK 420  
Db 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNRKWIYICNGHGDILK 420  
QY 421 LVAAQVGSQWKDIYQFLCNASREVAAFNGYTAHERAYAAALQHWITIRGPEASLAQLIS 480  
Db 421 LVAAQVGSQWKDIYQFLCNASREVAAFNGYTAHERAYAAALQHWITIRGPEASLAQLIS 480  
QY 481 ALRQHRNDVVEKIRGLMEDTTQLETDKLALPMSPLSPSPSPNKLNSALLTVEP 540  
Db 481 ALRQHRNDVVEKIRGLMEDTTQLETDKLALPMSPLSPSPSPNKLNSALLTVEP 540  
QY 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRLNGSFITKEKDTVLRQVRLDPCDLOPIF 600  
Db 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSRLNGSFITKEKDTVLRQVRLDPCDLOPIF 600  
QY 601 DDLHLFNLPEELRVIEEIPQAEKDLRLFEIIGVKSQASOTLLDSVYSHLPDLL 655  
Db 601 DDLHLFNLPEELRVIEEIPQAEKDLRLFEIIGVKSQASOTLLDSVYSHLPDLL 655

## RESULT 14

US-10-176-482-418  
; Sequence 418, Application US/10176482  
; Publication No. US2003002296A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P34301C70  
; CURRENT APPLICATION NUMBER: US/10/176,482  
; CURRENT FILING DATE: 2002-06-20  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 418  
; LENGTH: 655  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-176-482-418

Query Match 100.0%; Score 655; DB 9; Length 655;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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Db 1 MCTSPSSSALASCRIARRATATMTAGSLLLGLFSTTTAQAPEQKASNLICTYRHHVRA 60

QY 61 TQGVLTCDKCPAGTVVSEHCTNTSLRVCSSCPVGFTTRHENGIERKCHDCSQCPWPMEIK 120  
Db 61 TQGVLTCDKCPAGTVVSEHCTNTSLRVCSSCPVGFTTRHENGIERKCHDCSQCPWPMEIK 120  
QY 121 LPCAALTDRECTCPGFMFQSNATCAPHTVCPVGVGRKKGTTEDVRCQKARGTFSVP 180  
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Db 241 VPSSTYVPGMNSTESNSASVRPKVLSIQEGTVPDNTSSARGKEDVKNKTLPLNQVNH 300  
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Db 301 QOGPHRHILKLLPSMEATGGEKSTPIKPKRGHPRONLHKHFDINEHLPWMIYVLFLL 360  
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US-10-176-757-418  
; Sequence 418, Application US/10176757  
; Publication No. US2003002297A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430RIC86  
; CURRENT APPLICATION NUMBER: US/10/176,757  
; CURRENT FILING DATE: 2002-06-20  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 418  
; LENGTH: 655  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-176-757-418

Query Match 100.0%; Score 655; DB 9; Length 655;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MGTSPSSSTALASCRIARRATATMIAGSLLLLGLFSTTTTAQPEOKASNLIGTYRHVDRA 60  
QY 61 TQGVLTCDKCPAGTVVSEHCTNTSLRVCSSCPVGFTTRHENGIERKCHDCSQCPWPMEIK 120  
Db 61 TQGVLTCDKCPAGTVVSEHCTNTSLRVCSSCPVGFTTRHENGIERKCHDCSQCPWPMEIK 120  
QY 121 LPCAALTDRECTCPGFMFQSNATCAPHTVCPVGVGRKKGTTEDVRCQKARGTFSVP 180  
Db 121 LPCAALTDRECTCPGFMFQSNATCAPHTVCPVGVGRKKGTTEDVRCQKARGTFSVP 180  
QY 181 SSMCKKAYTDCLSQNLVVKPCTKTDNVCGTLPFSFSSSTSPSGTALFPPEHMETHE 240  
Db 181 SSMCKKAYTDCLSQNLVVKPCTKTDNVCGTLPFSFSSSTSPSGTALFPPEHMETHE 240  
QY 241 VPSSTYVPGMNSTESNSASVRPKVLSIQEGTVPDNTSSARGKEDVKNKTLPLNQVNH 300  
Db 241 VPSSTYVPGMNSTESNSASVRPKVLSIQEGTVPDNTSSARGKEDVKNKTLPLNQVNH 300  
QY 301 QOGPHRHILKLLPSMEATGGEKSTPIKPKRGHPRONLHKHFDINEHLPWMIYVLFLL 360  
Db 301 QOGPHRHILKLLPSMEATGGEKSTPIKPKRGHPRONLHKHFDINEHLPWMIYVLFLL 360  
QY 361 VLVVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQONREKWIYCNHGHGIDILK 420  
Db 361 VLVVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQONREKWIYCNHGHGIDILK 420  
QY 421 LVAAQVGSQWKDIYQFLCNASEREVAAFSNGYTADHERAYAAALQHWITIRGPEASLAQLIS 480  
Db 421 LVAAQVGSQWKDIYQFLCNASEREVAAFSNGYTADHERAYAAALQHWITIRGPEASLAQLIS 480  
QY 481 ALRQHRNDVVEKIRGLMEDTTQLETDKALPMSPLSPSPSPSPNAKLENSALLTVEP 540  
Db 481 ALRQHRNDVVEKIRGLMEDTTQLETDKALPMSPLSPSPSPSPNAKLENSALLTVEP 540  
QY 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSNGSFITKEKKTDLRVLQVRLDPCDLQPIF 600  
Db 541 SPQDNKNGFFVDESEPLLRCDSTSSGSSALSNGSFITKEKKTDLRVLQVRLDPCDLQPIF 600  
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Db 601 DDLHFLNPEELRVIEEIPQAEKDLRLFEIIGVKSQEQASQTLDSVYSHLPDLL 655

Search completed: June 5, 2003, 14:24:32  
Job time : 27 secs





GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 5, 2003, 14:15:18 ; Search time 25 Seconds  
(without alignments)  
2704.895 Million cell

Title: US-10-041-574-2

**Perfect score:**

Sequence: 1 MGTSPSSSTALASCRIARR.....SQEASQTL LDSVYSHLPDLL 655

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 392085 seqs, 103240269 residues

Total number of hits satisfying chosen parameters: 392085

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

**Listing first 45 summaries**

Database : Published\_Applications\_AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/us08\_NEW\_PUB\_pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PTCT\_NEW\_PUB\_pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/us06\_NEW\_PUB\_pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/us06\_PUBCOMB\_pep.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/us07\_NEW\_PUB\_pep.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/us07\_PUBCOMB\_pep.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/PTCTUS\_PUBCOMB\_pep.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/us08\_PUBCOMB\_pep.\*
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- 10: /cgn2\_6/ptodata/1/pubpaa/us09\_PUBCOMB\_pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/us10\_NEW\_PUB\_pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/us10\_PUBCOMB\_pep.\*
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- 14: /cgn2\_6/ptodata/1/pubpaa/us60\_PUBCOMB\_pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Query			ID	Description
	Score	Match	Length		
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2	3456	100.0	655	9	US-09-978-295A-64
3	3456	100.0	655	9	US-09-978-295A-64
4	3456	100.0	655	9	US-09-978-295A-64
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6	3456	100.0	655	9	US-09-978-295A-64
7	3456	100.0	655	9	US-09-978-295A-64
8	3456	100.0	655	9	US-09-978-295A-64
9	3456	100.0	655	9	US-09-978-295A-64
10	3456	100.0	655	9	US-09-978-295A-64
11	3456	100.0	655	9	US-09-978-295A-64
12	3456	100.0	655	9	US-09-978-295A-64
13	3456	100.0	655	9	US-09-978-295A-64
14	3456	100.0	655	9	US-09-978-295A-64
15	3456	100.0	655	9	US-09-978-295A-64
16	3456	100.0	655	9	US-09-978-295A-64
17	3456	100.0	655	9	US-09-978-295A-64
18	3456	100.0	655	9	US-09-978-295A-64
19	3456	100.0	655	9	US-09-978-295A-64

## ALIGNMENTS

## RESULT 1

US-09-978-295A-64

; Sequence 64, Application US/09978295A

; Patent No. US20020156006A1

**GENERAL INFORMATION:**

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; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gertschen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secured and Tra
; FILE REFERENCE: P2630PIC11
; CURRENT APPLICATION NUMBER: US/09/97
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249

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, PRIOR FILING DATE: 1998-05-15
, PRIOR APPLICATION NUMBER: 60/085700.
, PRIOR FILING DATE: 1998-05-15
, PRIOR APPLICATION NUMBER: 60/085689
, PRIOR FILING DATE: 1998-05-15
, PRIOR APPLICATION NUMBER: 60/085579
, PRIOR FILING DATE: 1998-05-15
, PRIOR APPLICATION NUMBER: 60/085580
, PRIOR FILING DATE: 1998-05-15
, PRIOR APPLICATION NUMBER: 60/085573
, PRIOR FILING DATE: 1998-05-15
, PRIOR APPLICATION NUMBER: 60/085704
, PRIOR FILING DATE: 1998-05-15
, PRIOR APPLICATION NUMBER: 60/085697
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Query Match 100.0%; Score 3456; DB 9; Length 655;

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Db	1	MGTSPTSSTALASCRIARRATATMIAGSLLLLGLFSTTTAAQPEKASNLIGTRYHVDRA	60	
Qy	61	TGQVLNCDKCPAGTYTSEHCTNNTSLRVCSSCPVGTFTTRHENGIEKCHDCSQPCRPWPIEK	120	
Db	61	TGQVLNCDKCPAGTYTSEHCTNNTSLRVCSSCPVGTFTTRHENGIEKCHDCSQPCRPWPIEK	120	
Qy	121	LPCAALTDRECTCPPGFMQSNATCAPHTVCPVGWGRKKGTETEDVRCKQCARGTFFSDVP	180	
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Qy	181	SSVWKKCAYTDCLSONLVLVTKGTKEHDNVCGTLPFSSTSTSPSGTAIPPRPHMETHE	240	
Db	181	SSVWKKCAYTDCLSONLVLVTKGTKEHDNVCGTLPFSSTSTSPSGTAIPPRPHMETHE	240	
Qy	241	VPSTTYVPKGMNSTESNSSASVRPKVLSSIQEGTVPDNTSSARKEKDVNKTLPLNQVYNH	300	
Db	241	VPSTTYVPKGMNSTESNSSASVRPKVLSSIQEGTVPDNTSSARKEKDVNKTLPLNQVYNH	300	
Qy	301	QQSGPHRHIIKLLPMSBEATGGEKSSTPIKGPKRGHPRQNLHKHFDINEHLPWMVLFLLL	360	
Db	301	QQSGPHRHIIKLLPMSBEATGGEKSSTPIKGPKRGHPRQNLHKHFDINEHLPWMVLFLLL	360	
Qy	361	VLVVVVCSTRKSSRTLKKPRQDPSAIVKAGLKKSWTPQNREKWTYYCNGHGIDILK	420	
Db	361	VLVVVVCSTRKSSRTLKKPRQDPSAIVKAGLKKSWTPQNREKWTYYCNGHGIDILK	420	
Qy	421	LVAAQVGSQWKDIYQFLCNASEREAFAFNGYTTADHERAAYAALQHWITRGPEASLAQLIS	480	
Db	421	LVAAQVGSQWKDIYQFLCNASEREAFAFNGYTTADHERAAYAALQHWITRGPEASLAQLIS	480	
Qy	481	ALRQHRNDVVEKIRGLMEDTTQLETOKLALPMSPSPLSPSPISPNAKLNSALLVPEP	540	
Db	481	ALRQHRNDVVEKIRGLMEDTTQLETOKLALPMSPSPLSPSPISPNAKLNSALLVPEP	540	
Qy	541	SPQDKNGKFFVDESEPLLRCDSSTSGSSALSRRNGSFTTKKKDVTLRQVRLLDCDQLPFI	600	
Db	541	SPQDKNGKFFVDESEPLLRCDSSTSGSSALSRRNGSFTTKKKDVTLRQVRLLDCDQLPFI	600	
Qy	601	DDMLHFLNPEELRVIEEIPAQEDKLDRLFEIIGVKSQEAOSTLLDSVYSHLPDLL	655	
Db	601	DDMLHFLNPEELRVIEEIPAQEDKLDRLFEIIGVKSQEAOSTLLDSVYSHLPDLL	655	

## RESULT 2

US-09-756-854-2  
; Sequence 2, Application US/09756854  
; Patent No. US20020164684A1  
; GENERAL INFORMATION:

APPLICANT: Ni, Jian  
Yu, Guo-Liang  
Fan, Ping  
Gentz, Reiner

QY	481	ALRQHRNDVWEKIRGLMEDTQTQLETDKIALPMSGPSPLSPSPSPNAKLENSALLTVEP	540
Db	481	ALRQHRNDVWEKIRGLMEDTQTQLETDKIALPMSGPSPLSPSPSPNAKLENSALLTVEP	540
QY	541	SPQDNKGFVDESEPLLRCDSSTSGSSALSRNGSFITKEKKDQTVLRQVRLDPCDLOPIF	600
Db	541	SPQDNKGFVDESEPLLRCDSSTSGSSALSRNGSFITKEKKDQTVLRQVRLDPCDLOPIF	600
QY	601	DDMLHFLNAPPEELRVETEEIPQAEKDLDRLFEIIGVYKQSEASQTLSDSVSHLPOLL	655
Db	601	DDMLHFLNAPPEELRVETEEIPQAEKDLDRLFEIIGVYKQSEASQTLSDSVSHLPOLL	655

### RESULT 3

US-09-978-697-64  
: Sequence 64, Application US/09978697  
: Patent No. US20020169284A1  
: GENERAL INFORMATION:  
: APPLICANT: Ashkenazi, Avi  
: APPLICANT: Baker Kevin P.  
: APPLICANT: Botstein, David  
: APPLICANT: Desnovers, Luc  
: APPLICANT: Eaton, Dan  
: APPLICANT: Ferrara, Napoleon  
: APPLICANT: Filvaroff, Ellen  
: APPLICANT: Fong, Sherman  
: APPLICANT: Gao, Wei-Qiang  
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: APPLICANT: Goddard, Audrey  
: APPLICANT: Godowski, Paul J.  
: APPLICANT: Grimaldi, J. Christopher  
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: APPLICANT: Hillan, Kenneth J.  
: APPLICANT: Kijavlin, Ivar J.  
: APPLICANT: Kuo, Sophia S.  
: APPLICANT: Napier, Mary A.  
: APPLICANT: Pan, James;  
: APPLICANT: Paoni, Nicholas F.  
: APPLICANT: Roy, Margaret Ann  
: APPLICANT: Shelton, David L.  
: APPLICANT: Stewart, Timothy A.  
: APPLICANT: Tumas, Daniel  
: APPLICANT: Williams, P. Mickey  
: APPLICANT: Wood, William I.  
: TITLE OF INVENTION: Acids and Transmembrane Polypeptides and Nucleic  
: FILE REFERENCE: P2630PIC27  
: CURRENT APPLICATION NUMBER: US/09/978,697  
: CURRENT FILING DATE: 2001-10-16  
: PRIOR APPLICATION NUMBER: 09/918585  
: PRIOR FILING DATE: 2001-07-30  
: PRIOR APPLICATION NUMBER: 60/062250  
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;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085704  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085697

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Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 TGOVLTCDCPCAGTYVSEHCTNTSLRVCSSCPVGTTRHENGIEKHCDCSQPCPWPWIEK 120  
Db 61 TGOVLTCDCPCAGTYVSEHCTNTSLRVCSSCPVGTTRHENGIEKHCDCSQPCPWPWIEK 120  
QY 121 LPCAALTDRECTCPGCMFOSNATCAPHTVCPGCMGVKRGKTETEDVRCKOCARGTSDVP 180  
Db 121 LPCAALTDRECTCPGCMFOSNATCAPHTVCPGCMGVKRGKTETEDVRCKOCARGTSDVP 180  
QY 181 SSVMKCKAYTDCLSQNLVVIKCTKTDNVCGTLPSPSSSTSPGTAIFPPREHMETHE 240  
Db 181 SSVMKCKAYTDCLSQNLVVIKCTKTDNVCGTLPSPSSSTSPGTAIFPPREHMETHE 240  
QY 241 VPSSTYVPGMNSTESSNASVRPKVLSSIQEGTVPDNTSSARGKEDVNKTLPLNQVNH 300  
Db 241 VPSSTYVPGMNSTESSNASVRPKVLSSIQEGTVPDNTSSARGKEDVNKTLPLNQVNH 300  
QY 301 QGPHRRHILKLLPSMEATGGEKSTPIKPKRGHPRONLKHFDINEHLPWMLVFLLL 360  
Db 301 QGPHRRHILKLLPSMEATGGEKSTPIKPKRGHPRONLKHFDINEHLPWMLVFLLL 360  
QY 361 VLWVIVVCSIRKSSRTLKKGPRODPSAIVEKAGLKKSMPTQNRKWIYCNHGDILK 420  
Db 361 VLWVIVVCSIRKSSRTLKKGPRODPSAIVEKAGLKKSMPTQNRKWIYCNHGDILK 420  
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RESULT 4  
US-10-041-574-2  
; Sequence 2, Application US/10041574  
; Patent No. US20020168359A1  
; GENERAL INFORMATION:  
; APPLICANT: Ni, Jian  
; APPLICANT: Yu, Guo-Liang  
; APPLICANT: Fan, Ping  
; APPLICANT: Gentz, Reiner L.  
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor TR9  
; FILE REFERENCE: Pf375p1  
; CURRENT APPLICATION NUMBER: US/10/041,574  
; CURRENT FILING DATE: 2002-01-10  
; PRIOR APPLICATION NUMBER: 09/527,236  
; PRIOR FILING DATE: 2000-03-16  
; PRIOR APPLICATION NUMBER: 60/052,991  
; PRIOR FILING DATE: 1997-06-11  
; PRIOR APPLICATION NUMBER: 09/095,094  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/126,019  
; PRIOR FILING DATE: 1999-03-24  
; PRIOR APPLICATION NUMBER: 60/134,220  
; PRIOR FILING DATE: 1999-05-14  
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; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
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; TYPE: PRT
; ORGANISM: Homo sapiens
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Best Local Similarity 100.0%; Pred. No. 2.3e-235;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MGTSPSSSALASCSRIARRATATMIAGSLLLGFLSTTTAAQPEQKASNLIGYRHHVDR 60

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Db 181 SSVMKCKAYTDCLSQNLVWKPKTKETDNVCGTLPFSFSSSTSPSGTATFPRPEHMETHE 240

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Db 361 VLWVIVVCSIRKSRRLKKGPRDPSAIVEKAGLKKSMPTONREKWIYVCNGHGIDILK 420

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RESULT 5
US-09-978-192A-64
; Sequence 64, Application US/09978192A
; Patent No. US20020177553A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Fillvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C9
; CURRENT APPLICATION NUMBER: US/09/978,192A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
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;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085697

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Best Local Similarity 100.0%; Pred. No. 2.3e-235;  
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 121 LPCAALTIRECTCPGCMFQSNATCAPHTVCPVGWGVKKGTTETEDVRCQCARGTFSQDYP 180  
Db 121 LPCAALTIRECTCPGCMFQSNATCAPHTVCPVGWGVKKGTTETEDVRCQCARGTFSQDYP 180  
QY 181 SSMKCKAYTDCLSQNLVVIKPGTKETDNCVGTLPFSFSSSTSPSGTATFPRPEHMETHE 240  
Db 181 SSMKCKAYTDCLSQNLVVIKPGTKETDNCVGTLPFSFSSSTSPSGTATFPRPEHMETHE 240  
QY 241 VPSSTYVPGMNSTESNSASVVRPKVLSSIOEGTVPDNTSSARGKEDVNKTLPLNLOVNVH 300  
Db 241 VPSSTYVPGMNSTESNSASVVRPKVLSSIOEGTVPDNTSSARGKEDVNKTLPLNLOVNVH 300  
QY 301 QOQPHRHRLKLLPSMEATGGEKSSPTIKGPKRGHPRQNLKHFDINEHLPMWIVLFLLL 360  
Db 301 QOQPHRHRLKLLPSMEATGGEKSSPTIKGPKRGHPRQNLKHFDINEHLPMWIVLFLLL 360  
QY 361 VLWVIWVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNREKWIYYCNGHGIDILK 420  
Db 361 VLWVIWVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNREKWIYYCNGHGIDILK 420  
QY 421 LVAAQVGSOWKDIYQFLCNASEREVAAFNGTADHERAYAAALQHTTIRGPASLAQLIS 480  
Db 421 LVAAQVGSOWKDIYQFLCNASEREVAAFNGTADHERAYAAALQHTTIRGPASLAQLIS 480





;; PRIOR APPLICATION NUMBER: 60/082797  
;; PRIOR FILING DATE: 1998-04-22  
;; PRIOR APPLICATION NUMBER: 60/082796  
;; PRIOR FILING DATE: 1998-04-23  
;; PRIOR APPLICATION NUMBER: 60/083336  
;; PRIOR FILING DATE: 1998-04-27  
;; PRIOR APPLICATION NUMBER: 60/083322  
;; PRIOR FILING DATE: 1998-04-28  
;; PRIOR APPLICATION NUMBER: 60/083392  
;; PRIOR FILING DATE: 1998-04-29  
;; PRIOR APPLICATION NUMBER: 60/083495  
;; PRIOR FILING DATE: 1998-04-29  
;; PRIOR APPLICATION NUMBER: 60/083496  
;; PRIOR FILING DATE: 1998-04-29  
;; PRIOR APPLICATION NUMBER: 60/083499  
;; PRIOR FILING DATE: 1998-04-29  
;; PRIOR APPLICATION NUMBER: 60/083545  
;; PRIOR FILING DATE: 1998-04-29  
;; PRIOR APPLICATION NUMBER: 60/083554  
;; PRIOR FILING DATE: 1998-04-29  
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;; PRIOR FILING DATE: 1998-04-30  
;; PRIOR APPLICATION NUMBER: 60/084366  
;; PRIOR FILING DATE: 1998-05-05  
;; PRIOR APPLICATION NUMBER: 60/084414  
;; PRIOR FILING DATE: 1998-05-06  
;; PRIOR APPLICATION NUMBER: 60/084441  
;; PRIOR FILING DATE: 1998-05-06  
;; PRIOR APPLICATION NUMBER: 60/084637  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/084639  
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;; PRIOR APPLICATION NUMBER: 60/084640  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/084598  
;; PRIOR FILING DATE: 1998-05-07  
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;; PRIOR FILING DATE: 1998-05-07  
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;; PRIOR FILING DATE: 1998-05-13  
;; PRIOR APPLICATION NUMBER: 60/085338  
;; PRIOR FILING DATE: 1998-05-13  
;; PRIOR APPLICATION NUMBER: 60/085323  
;; PRIOR FILING DATE: 1998-05-13  
;; PRIOR APPLICATION NUMBER: 60/085582  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085700  
;; PRIOR FILING DATE: 1998-05-15  
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;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085580  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085573  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085704  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 3456; DB 9; Length 655;  
Best Local Similarity 100.0%; Pred. No. 2.3e-235;  
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGTSPSSSTALASCRIARRATATMIAGSLLLGLFLLSTTAOPEQKASNLIGTYRHVDRA 60  
1 MGTSPSSSTALASCRIARRATATMIAGSLLLGLFLLSTTAOPEQKASNLIGTYRHVDRA 60  
QY 61 TGOVLTCDCPCAGTYVSEHCTNTSLRVCSSCPVGTFTTRHENGIEKCHDCSQPCWPWIEK 120  
61 TGOVLTCDCPCAGTYVSEHCTNTSLRVCSSCPVGTFTTRHENGIEKCHDCSQPCWPWIEK 120  
QY 121 LPCAALTDRCTCPGCMFOSNATCAPHTVCPGCVGWYKKGCTETEDYRCQKARGTSDVP 180  
121 LPCAALTDRCTCPGCMFOSNATCAPHTVCPGCVGWYKKGCTETEDYRCQKARGTSDVP 180  
QY 181 SSVMKCKAYTDCLSQNLVVKPCTKTDNVCGFLPSFSSTSPGCTAIFPRPEHMETHE 240  
181 SSVMKCKAYTDCLSQNLVVKPCTKTDNVCGFLPSFSSTSPGCTAIFPRPEHMETHE 240  
QY 241 VPSSTVYVPGMNSTESNSASVPRKVLSSIQEGTVPDNTSSARGKEDVKNKTLNQLVNNH 300  
241 VPSSTVYVPGMNSTESNSASVPRKVLSSIQEGTVPDNTSSARGKEDVKNKTLNQLVNNH 300  
QY 301 QOGPHRHILKLLPSMEATGGEKSTPIKGPKRGHPRONLHKHFDINEHLPWMLVFLLL 360  
301 QOGPHRHILKLLPSMEATGGEKSTPIKGPKRGHPRONLHKHFDINEHLPWMLVFLLL 360  
QY 361 VLVVIVVCSIRKSSRTLKKGPQDPSAIVEKAGLKKSMPTQNRKWIYCYNGHGIDILK 420  
361 VLVVIVVCSIRKSSRTLKKGPQDPSAIVEKAGLKKSMPTQNRKWIYCYNGHGIDILK 420  
QY 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNGYVADHERAYAAALQHWITIRGPEASLAQLIS 480  
421 LVAAQVGSQWKDIYQFLCNASEREVAAFNGYVADHERAYAAALQHWITIRGPEASLAQLIS 480  
QY 481 ALRQHRNDVVEKIRGLMEDTTOLETDKLPALMSPSPSPSPSPSPSPSPSPSPSPSPSPSPSP 540  
481 ALRQHRNDVVEKIRGLMEDTTOLETDKLPALMSPSPSPSPSPSPSPSPSPSPSPSPSPSPSP 540  
QY 541 SPQDNKGFVDESEPLLRCDSTSSGSSALSRNGSFITTEKKKDTVLRQVRLDPCDLQPIF 600  
541 SPQDNKGFVDESEPLLRCDSTSSGSSALSRNGSFITTEKKKDTVLRQVRLDPCDLQPIF 600  
QY 601 DMLHFLNPEELRVIEIPEOAEKDLRLFEIIGVKSOEASQTLSDSYSHLPDLL 655  
601 DMLHFLNPEELRVIEIPEOAEKDLRLFEIIGVKSOEASQTLSDSYSHLPDLL 655

RESULT 7  
US-09-978-189-64  
; Sequence 64, Application US/09978189  
; Publication No. US20030004102A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi  
; APPLICANT: Baker Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan  
; APPLICANT: Ferrara, Napoleon  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Hillan, Kenneth J.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Kuo, Sophia S.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James;  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann

APPLICANT: Shelton, David L.  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2630P1C7  
CURRENT FILING DATE: 1997-10-15  
CURRENT APPLICATION NUMBER: US/09/978,189  
PRIOR FILING DATE: 2001-07-30  
PRIOR APPLICATION NUMBER: 09/918585  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-11-03  
PRIOR APPLICATION NUMBER: 60/064249  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-21  
PRIOR APPLICATION NUMBER: 60/066364  
PRIOR FILING DATE: 1998-03-10  
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PRIOR FILING DATE: 1998-03-20  
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PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/078939  
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PRIOR FILING DATE: 1998-03-27  
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PRIOR FILING DATE: 1998-03-27  
PRIOR APPLICATION NUMBER: 60/079728  
PRIOR FILING DATE: 1998-03-27  
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PRIOR FILING DATE: 1998-03-27  
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PRIOR FILING DATE: 1998-04-29  
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PRIOR FILING DATE: 1998-04-29  
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PRIOR FILING DATE: 1998-04-30  
PRIOR APPLICATION NUMBER: 60/084366  
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PRIOR APPLICATION NUMBER: 60/084441  
PRIOR FILING DATE: 1998-05-06  
PRIOR APPLICATION NUMBER: 60/084637  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/084639  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/084640  
PRIOR FILING DATE: 1998-05-07



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Db 481 ALRQHRNDVVEKIRGLMEDTTOLETKLALPMSPLSPSPSPNAKLENSALLTVEP 540
QY 541 SPQDKNKGFFVDESEPLLRCDSTSSGSSALSRLNGSFITTEKKKDTVLQVRLDPCDLQPIF 600
Db 541 SPQDKNKGFFVDESEPLLRCDSTSSGSSALSRLNGSFITTEKKKDTVLQVRLDPCDLQPIF 600
QY 601 DDMHLFNLPELRIEIPQAEKDLRLFEIIGVKSQEASQTLDSVYSHLPDLL 655
Db 601 DDMHLFNLPELRIEIPQAEKDLRLFEIIGVKSQEASQTLDSVYSHLPDLL 655

RESULT 9
US-10-176-758-418
; Sequence 418, Application US/10176758
; Publication No. US20030008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C104
; CURRENT APPLICATION NUMBER: US/10/176,758
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 418
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-758-418

Query Match 100.0%; Score 3456; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 2.3e-235;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGTSPSSSTALASCSRIARRATATMIAGSLLLLGFLSTTTAQQEAKSNLIGTYRHVDRA 60
Db 1 MGTSPSSSTALASCSRIARRATATMIAGSLLLLGFLSTTTAQQEAKSNLIGTYRHVDRA 60
QY 61 TGOVLTCDCPCAGTYVSEHCNTSLRVCSCPVGTFTRHENGIEKCHDCSQPCPWPMEIK 120
Db 61 TGOVLTCDCPCAGTYVSEHCNTSLRVCSCPVGTFTRHENGIEKCHDCSQPCPWPMEIK 120
QY 121 LPCAALTDRCTCPGCMFOSNATCAPHTVCPVGWGVKKGTETEDYRCKOCARGTSDVP 180
Db 121 LPCAALTDRCTCPGCMFOSNATCAPHTVCPVGWGVKKGTETEDYRCKOCARGTSDVP 180
QY 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSSTSPSPGTAIFPRPEHMETHE 240
Db 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSSTSPSPGTAIFPRPEHMETHE 240
QY 241 VPSSTYVPGMNSTESNSASVRPKVLSSIQEGTVPDNTSSARGKEDVNKTLPLNLOVNH 300
Db 241 VPSSTYVPGMNSTESNSASVRPKVLSSIQEGTVPDNTSSARGKEDVNKTLPLNLOVNH 300
QY 301 QOGPHRHILKLLPLPSMEATGGEKSTPIKGPGRGHPRQNLKHFDINEHLPWMIVLFLLL 360
Db 301 QOGPHRHILKLLPLPSMEATGGEKSTPIKGPGRGHPRQNLKHFDINEHLPWMIVLFLLL 360
QY 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNRKWKIYVNCNGHGDILK 420
Db 361 VLWVIVVCSIRKSSRTLKKGPRQDPSAIVEKAGLKKSMPTQNRKWKIYVNCNGHGDILK 420
QY 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNSGYTADHERAYALQHWITIRGPEASLAQLIS 480
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Db 421 LVAAQVGSQWKDIYQFLCNASEREVAAFNSGYTADHERAYALQHWITIRGPEASLAQLIS 480
QY 481 ALRQHRNDVVEKIRGLMEDTTOLETKLALPMSPLSPSPSPNAKLENSALLTVEP 540
Db 481 ALRQHRNDVVEKIRGLMEDTTOLETKLALPMSPLSPSPSPNAKLENSALLTVEP 540
QY 541 SPQDKNKGFFVDESEPLLRCDSTSSGSSALSRLNGSFITTEKKKDTVLQVRLDPCDLQPIF 600
Db 541 SPQDKNKGFFVDESEPLLRCDSTSSGSSALSRLNGSFITTEKKKDTVLQVRLDPCDLQPIF 600
QY 601 DDMHLFNLPELRIEIPQAEKDLRLFEIIGVKSQEASQTLDSVYSHLPDLL 655
Db 601 DDMHLFNLPELRIEIPQAEKDLRLFEIIGVKSQEASQTLDSVYSHLPDLL 655

RESULT 10
US-10-175-737-418
; Sequence 418, Application US/10175737
; Publication No. US20030013153A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C50
; CURRENT APPLICATION NUMBER: US/10/175,737
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 418
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-737-418

Query Match 100.0%; Score 3456; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 2.3e-235;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGTSPSSSTALASCSRIARRATATMIAGSLLLLGFLSTTTAQQEAKSNLIGTYRHVDRA 60
Db 1 MGTSPSSSTALASCSRIARRATATMIAGSLLLLGFLSTTTAQQEAKSNLIGTYRHVDRA 60
QY 61 TGOVLTCDCPCAGTYVSEHCNTSLRVCSCPVGTFTRHENGIEKCHDCSQPCPWPMEIK 120
Db 61 TGOVLTCDCPCAGTYVSEHCNTSLRVCSCPVGTFTRHENGIEKCHDCSQPCPWPMEIK 120
QY 121 LPCAALTDRCTCPGCMFOSNATCAPHTVCPVGWGVKKGTETEDYRCKOCARGTSDVP 180
Db 121 LPCAALTDRCTCPGCMFOSNATCAPHTVCPVGWGVKKGTETEDYRCKOCARGTSDVP 180
QY 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSSTSPSPGTAIFPRPEHMETHE 240
Db 181 SSVMKCKAYTDCLSQNLVVIKPGTKETDNVCGTLPFSFSSSTSPSPGTAIFPRPEHMETHE 240
QY 241 VPSSTYVPGMNSTESNSASVRPKVLSSIQEGTVPDNTSSARGKEDVNKTLPLNLOVNH 300
Db 241 VPSSTYVPGMNSTESNSASVRPKVLSSIQEGTVPDNTSSARGKEDVNKTLPLNLOVNH 300
QY 301 QOGPHRHILKLLPLPSMEATGGEKSTPIKGPGRGHPRQNLKHFDINEHLPWMIVLFLLL 360
Db 301 QOGPHRHILKLLPLPSMEATGGEKSTPIKGPGRGHPRQNLKHFDINEHLPWMIVLFLLL 360
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Db 181 SSVKCKAYDCLSONLVWIKPGTKETDNDVCGTLPFSSTSPSGTAIPRPHEHMETHE 240
Qy 241 VPSSTYVPKCMNSTESNSSASVRPKVLSSTIQEGTVPDNTSSARGKEDVNTKLPNLQVNVH 300
Db 241 VPSSTYVPKCMNSTESNSSASVRPKVLSSTIQEGTVPDNTSSARGKEDVNTKLPNLQVNVH 300
Qy 301 QQGPVHHRHILKLPMSMEATGGEKSSTPIKPGKRGHPQNLKHKHFDINEHLPWMIIVLFLLL 360
Db 301 QQGPVHHRHILKLPMSMEATGGEKSSTPIKPGKRGHPQNLKHKHFDINEHLPWMIIVLFLLL 360
Qy 361 VLVVIVVCSIRKSSRTLLKGPQDPSAIVEKAGLKKSMTPTQNRKWIYVYCNHGHGIDILK 420
Db 361 VLVVIVVCSIRKSSRTLLKGPQDPSAIVEKAGLKKSMTPTQNRKWIYVYCNHGHGIDILK 420
Qy 421 LVAAGVGSQWKDIYQVFCNASEREVAAFSNGYTADHERAYAAHQHWTIRGPEASLAQLIS 480
Db 421 LVAAGVGSQWKDIYQVFCNASEREVAAFSNGYTADHERAYAAHQHWTIRGPEASLAQLIS 480
Qy 481 ALRQHRNDVVEKIRGLMEDTTQLETDKLPMSPLSPSPSPSPSPSPSPSPSPSPSPSPSPSPSP 540
Db 481 ALRQHRNDVVEKIRGLMEDTTQLETDKLPMSPLSPSPSPSPSPSPSPSPSPSPSPSPSPSP 540
Qy 541 SPQDKNGFFVDESEPLLRCDSTSSGSSALSRSNGSFITKEKDTVLQVRLDPCDQPIF 600
Db 541 SPQDKNGFFVDESEPLLRCDSTSSGSSALSRSNGSFITKEKDTVLQVRLDPCDQPIF 600
Qy 601 DMLHFLNPEELRVIEIPQAEKDLRFLFIIGVKQSEASQTLDSVYSHLPDLL 655
Db 601 DMLHFLNPEELRVIEIPQAEKDLRFLFIIGVKQSEASQTLDSVYSHLPDLL 655
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## RESULT 13

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US-10-175-752-418
; Sequence 418, Application US/10175752
; Publication No. US20030022295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C60
; CURRENT APPLICATION NUMBER: US/10/175,752
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 418
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-752-418
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Query Match 100.0%; Score 3456; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 2.3e-235;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 MGTSPSSSTALASCSTARRATATMTAGSLLGLFSTTTAAPEQKASNLIGYRHHVDRA 60
Db 1 MGTSPSSSTALASCSTARRATATMTAGSLLGLFSTTTAAPEQKASNLIGYRHHVDRA 60
Qy 61 TGOVLTCDCPKACTYVYSEHCTNTSLRVCSSCPVGTFTRHENGIEKCHDCSQPCPWPMEIK 120
Db 61 TGOVLTCDCPKACTYVYSEHCTNTSLRVCSSCPVGTFTRHENGIEKCHDCSQPCPWPMEIK 120
Qy 121 LPCAALTDRRECTPPGMFQSNATCAPHTVCVPGVGVKKGKGTETEDVRCKOCARGTTFSDVP 180
```

```
Db 121 LPCAALTDRRECTPPGMFQSNATCAPHTVCVPGVGVKKGKGTETEDVRCKOCARGTTFSDVP 180
Qy 181 SSVKCKAYDCLSONLVWIKPGTKETDNDVCGTLPFSSTSPSGTAIPRPHEHMETHE 240
Db 181 SSVKCKAYDCLSONLVWIKPGTKETDNDVCGTLPFSSTSPSGTAIPRPHEHMETHE 240
Qy 241 VPSSTYVPKCMNSTESNSSASVRPKVLSSTIQEGTVPDNTSSARGKEDVNTKLPNLQVNVH 300
Db 241 VPSSTYVPKCMNSTESNSSASVRPKVLSSTIQEGTVPDNTSSARGKEDVNTKLPNLQVNVH 300
Qy 301 QQGPVHHRHILKLPMSMEATGGEKSSTPIKPGKRGHPQNLKHKHFDINEHLPWMIIVLFLLL 360
Db 301 QQGPVHHRHILKLPMSMEATGGEKSSTPIKPGKRGHPQNLKHKHFDINEHLPWMIIVLFLLL 360
Qy 361 VLVVIVVCSIRKSSRTLLKGPQDPSAIVEKAGLKKSMTPTQNRKWIYVYCNHGHGIDILK 420
Db 361 VLVVIVVCSIRKSSRTLLKGPQDPSAIVEKAGLKKSMTPTQNRKWIYVYCNHGHGIDILK 420
Qy 421 LVAAGVGSQWKDIYQVFCNASEREVAAFSNGYTADHERAYAAHQHWTIRGPEASLAQLIS 480
Db 421 LVAAGVGSQWKDIYQVFCNASEREVAAFSNGYTADHERAYAAHQHWTIRGPEASLAQLIS 480
Qy 481 ALRQHRNDVVEKIRGLMEDTTQLETDKLPMSPLSPSPSPSPSPSPSPSPSPSPSPSPSPSPSP 540
Db 481 ALRQHRNDVVEKIRGLMEDTTQLETDKLPMSPLSPSPSPSPSPSPSPSPSPSPSPSPSPSP 540
Qy 541 SPQDKNGFFVDESEPLLRCDSTSSGSSALSRSNGSFITKEKDTVLQVRLDPCDQPIF 600
Db 541 SPQDKNGFFVDESEPLLRCDSTSSGSSALSRSNGSFITKEKDTVLQVRLDPCDQPIF 600
Qy 601 DMLHFLNPEELRVIEIPQAEKDLRFLFIIGVKQSEASQTLDSVYSHLPDLL 655
Db 601 DMLHFLNPEELRVIEIPQAEKDLRFLFIIGVKQSEASQTLDSVYSHLPDLL 655
```

## RESULT 14

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US-10-176-482-418
; Sequence 418, Application US/10176482
; Publication No. US20030022296A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C70
; CURRENT APPLICATION NUMBER: US/10/176,482
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 418
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-482-418
```

```
Query Match 100.0%; Score 3456; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 2.3e-235;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
Qy 1 MGTSPSSSTALASCSTARRATATMTAGSLLGLFSTTTAAPEQKASNLIGYRHHVDRA 60
Db 1 MGTSPSSSTALASCSTARRATATMTAGSLLGLFSTTTAAPEQKASNLIGYRHHVDRA 60
```

```

RESULT 15
US-10-176-757-418
; Sequence 418, Application US/10176757
; Publication No. US20030022297A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C86
; CURRENT APPLICATION NUMBER: US/10/176,757
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 418
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-757-418

Query Match          100.0%; Score 3456; DB 9; Length 655;
Best Local Similarity 100.0%; Pred. No. 2.3e-235;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Search completed: June 5, 2003, 14:20:07  
Job time : 28 secs

